

# Polychlorinated Biphenyl (PCB) Remedial Action Report

Future CREC Discovery Academy  
176 Cumberland Avenue  
Wethersfield, CT

Capital Region Education Council  
Hartford, CT

May 14, 2015



Fuss & O'Neill EnviroScience, LLC  
146 Hartford Road  
Manchester, CT 06040



**FUSS & O'NEILL**  
EnviroScience, LLC

May 14, 2015

Mr. Robert Saunders  
Senior Project Manager  
Capital Region Education Council  
147 Charter Oak Avenue  
Hartford, Connecticut 06106

**RE: Polychlorinated Biphenyls (PCBs) Removal at the Future CREC Discovery Academy  
176 Cumberland Avenue, Wethersfield, Connecticut**  
Fuss & O'Neill EnviroScience Project No. 20110979.A2E

Dear Mr. Saunders:

Enclosed please find the remedial action report for the polychlorinated biphenyl (PCB) remediation completed at the future CREC Discovery Academy located at 176 Cumberland Avenue in Wethersfield, Connecticut. This report summarizes the removal of PCB-containing source materials including, caulking compounds associated with interior and exterior expansion joints, exterior windows and doors and window glazing compound. This report also addresses PCB remediation waste including previously identified soils and concrete encountered during the site work. This report has been developed to satisfy Environmental Protection Agency (EPA) requirements.

If you have any questions regarding the enclosed report, please do not hesitate to contact me at (860) 646-2469, extension 5585. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Kathleen C. Pane  
Project Manager

KCP/seo

Enclosure

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# 1 Introduction

Fuss & O'Neill EnviroScience, LLC (EnviroScience) was retained to provide project oversight at the future CREC Discovery Academy located at 176 Cumberland Avenue, Wethersfield, Connecticut (the Site) related to the remediation of polychlorinated biphenyls (PCBs).

This report has been prepared in accordance with the United States Environmental Protection Agency (EPA) approved Self Implementing On-Site Clean-up and Disposal Plan (SIDP) and with the requirements of Condition 19 of the approval granted by the EPA for cleanup of PCB-containing and PCB-contaminated materials pursuant to Title 40, Code of Federal Regulations (CFR) 761.61 (a) and 761.79 (h), dated November 13, 2012 and revised on February 22, 2013 and March 7, 2013. This report presents data supporting the attainment of the remedial objectives pertaining to the PCB-containing and PCB-contaminated materials at the Site.

This remediation project involved the removal of PCB-containing caulking compounds associated with interior and exterior expansion joints and exterior window and door units as well as window glazing compounds. In addition, PCB-contaminated soils and concrete were remediated. All work was conducted to satisfy the EPA requirements.

The SIDP, also referred to as the Notification, was prepared by EnviroScience. A copy of the Notification is provided in *Appendix A*. The General Contractor was Downes Construction Company of New Britain, Connecticut. The PCB Remediation Contractor was Wiese Construction, Inc. of Norwich, Connecticut.

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## 1.1 Remedial Action

PCB remediation was performed to facilitate the total renovation (gut) of the north building and demolition of the south building and the building connectors between the structures.

### **Initial SIDP scope:**

Identified PCB-containing building materials were removed as PCB Bulk Product Waste, which included the following:

- Exterior window/door caulking compound (garage and main building)
- Interior expansion/wall joint caulking compound (garage building)
- Interior floor joint caulking compound (garage building)
- Exterior pink building caulking compound (main building)
- Exterior window/door caulking compound (south building)

Adjacent substrates associated with the above-identified materials were removed during the PCB source removal as PCB Bulk Product Waste, which includes:

- Exterior porous brick veneer—1 whole course of brick from all window/door masonry joints in contact with PCB containing caulking compound in a straight vertically cut line from foundation to Steel Lintel at all vertical window jambs (approximately 8 inches).
- Interior porous block/concrete — $\frac{1}{2}$  —course of block/concrete at all joints identified in contact with PCB containing caulking compound in a straight vertically cut line (approximately 8 inches).
- Interior—Six inches of concrete associated with floor joint caulking compound from each side of the joint.
- Exterior structural steel lintels were cleaned of PCB caulking compound with paint removed from the structural component.

Adjacent soil locations in Areas 4, 5, 6, Area 10, and Area 15 were removed and disposed of as PCB Remediation Waste greater than ( $>$ ) 1 milligram per kilogram (mg/kg) but less than ( $<$ ) 50 mg/kg. The SIDP specified for soil removal to a depth of 4 inches below grade surface up to four feet from the perimeter of the building in the Areas.

#### **SIDP modification scope:**

PCB-contaminated concrete and soil were encountered during the project as a result of historical site operations and former transformer vault as discussed below. EnviroScience issued modification memorandums to EPA for approval to properly dispose of the materials as PCB Remediation Waste. The memorandums are included in *Appendix A* and the remediation activities and post remediation sampling results are included in this report. The following items were addressed as part of the approved SIDP modification memorandums:

#### **Concrete**

- Removal of 150 square feet (SF) of concrete slab associated with the former hazardous waste storage area (HWSA).
- Removal of 200 SF of concrete pad associated with former transformer vault.
- Removal of 8,840 SF of concrete slab associated with former maintenance garage area (original slab encountered under newer slab).

#### **Soil**

- Removal of 845 tons of PCB contaminated soil within the former maintenance garage area footprint due to the demolition of the PCB contaminated concrete slab resulting in soil contamination. Please note that the HWSA was part of the maintenance garage area and was included in the overall site excavations.

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## **1.2 Regulatory Framework**

The completed remediation activity was proposed as a voluntary action to address the work identified in the previous section.

## 1.2.1 EPA

The EPA was the lead agency contact for the review of information regarding the investigation and remediation of PCBs at the Site. Remediation was to be conducted in a manner consistent with the Toxic Substances Control Act (TSCA) and more specifically, the provisions of 40 CFR 761 – *Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions*. Pertinent documents issued by the EPA are provided along with the main contact information.

*PCB Cleanup and Disposal Approval* pursuant to 40 CFR 761.61 (a) and 761.79 (h) was provided on March 27, 2013 in response to the SIDP originally submitted on November 13, 2012 and revised on February 22, 2013 and March 7, 2013

A modification memorandum was submitted by EnviroScience on March 12, 2014 and revised on June 24, 2014 with approval on July 8, 2014 by EPA.

A copy of the *PCB Cleanup and Disposal Approval* is provided in *Appendix B*.

The key contact for the above was:

Ms. Kimberly Tisa  
PCB Coordinator  
U.S. Environmental Protection Agency  
Region 1  
5 Post Office Square, Suite 100  
Mail Code: OSRR07-2  
Boston, MA 02109-3912  
Telephone: (617) 918-1527  
Facsimile: (617) 918-0527

EPA regulations and guidance documents were used for the investigation and remediation of PCBs from the Site.

## 2 Background

This section provides a description of the Site and includes information on the Building Material Characterization Activities at the Site.

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### 2.1 Building Description

The north building was constructed in 1954 with a southerly addition constructed approximately ten years later. The buildings were constructed for Connecticut Light and Power (CL&P) Corporate Headquarters.

The work scope to prepare the Site for the future CREC Discovery Academy included gutting the north building to the exterior structure. In addition the building connector and the south building were fully demolished.

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## 2.2 Building Material Characterization Activities

The original source material sampling was conducted on January 23, 2012 and February 3, 2012 by EnviroScience. Supplemental adjacent surface and soil samples were conducted on March 5, 2012 as part of the SIDP submittal by EnviroScience.

Additional information regarding caulking and glazing compounds and adjacent surface characterization sampling can be found in the SIDP attached as *Appendix A*.

Sampling associated with the modifications to the SIDP was conducted on August 9, 2013, November 15, 2013 for concrete and various dates from June-September 2014 for soil by EnviroScience. Additional information regarding sampling can be found in *Appendix A* as part of the EPA modification memorandums.

## 3 Remediation Activities

This section contains a description of the remediation activities completed at the Site including: (1) Pre-remediation Activities, (2) Remediation Activities, and (3) Post-Remediation Verification Sampling.

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### 3.1 Pre-Remediation Activities

The pre-remediation activities associated with this project are presented in this section.

#### 3.1.1 EPA Approval and Approval Conditions

Prior to initiation of the remediation activities at the Site, it was necessary to obtain the approval of the regulatory agency maintaining jurisdiction over the work and as well as meet certain approval conditions. The agency maintaining jurisdiction over the work was the EPA.

#### 3.1.2 EPA Correspondence

The EPA required the submission of a SIDP to review for compliance with the provisions of 40 CFR 761.61 – *Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions*. The SIDP was initially prepared and submitted to the EPA on November 13, 2012 and revised on February 22, 2013 and March 7, 2013. The notification included a presentation of the Site characterization data, a statement of the remedial action objectives, a description of the Site preparations and controls, a description of the Site remedial action procedures, and a description of the Site verification plan for remedial action procedures.

Modification memorandums were submitted on March 12, 2014 and revised on June 24, 2014 with approval on July 8, 2014 by the EPA. The memorandums address concrete and soil removal as PCB Remediation Waste in multiple areas of concern including a former HWSA, transformer vault and maintenance garage.

Per Condition 10 of the *PCB Cleanup and Disposal Approval*, Capital Region Education Council (CREC) was required to provide written notification of its acceptance of the conditions delineated in the approval to the EPA. A copy of the acceptance was submitted to the EPA as required and is provided in *Appendix C, Item 1*.

Per Condition 11a of the *PCB Cleanup and Disposal Approval*, the abatement/demolition contractor was required to provide written notification of its understanding and acceptance of the Notification, and that the abatement/demolition contractor agreed to abide by the conditions of the approval. A copy of the acceptance was submitted to the EPA as required and is provided in *Appendix C, Item 2*.

Per Condition 11b of the *PCB Cleanup and Disposal Approval*, the Remediation Contractor was required to submit a work plan detailing the procedures that would be employed for removal of PCB-containing and PCB-contaminated waste and for containment and air monitoring during removal activities. Additionally, this work plan was to include information on waste storage, handling, and disposal for each waste stream type and for equipment decontamination. A copy of the work plan was submitted to the EPA as required and is provided in *Appendix C, Item 3*.

Per Condition 11c of the *PCB Cleanup and Disposal Approval*, the analytical laboratories, Phoenix Environmental Laboratories, Inc. of Manchester, CT, and Con-Test Analytical Laboratory of East Longmeadow, MA were required to provide written notification of their understanding and acceptance of the extraction, analytical methods and quality assurance requirements specified in the Notification and conditions of the approval. Copies of the laboratories' acceptances were submitted to the EPA as required and are provided in *Appendix C, Item 4*.

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## 3.2 Remediation Activities

The remediation activities associated with this project are presented in two categories: (1) PCB Bulk Product Waste and (2) PCB Remediation Waste.

### 3.2.1 PCB Bulk Product Waste

PCB Bulk Product Waste included caulking compounds associated with interior and exterior expansion joints and exterior window and door units as well as window glazing compound from specified locations for proper disposal. Materials were removed in a manner that did not break down the materials into fine dust or powder to the extent feasible. Both mechanical equipment and hand tools were used to remove materials from and with adjacent substrates. The mechanical removal tools were fitted with high efficiency particulate air (HEPA) dust collection systems. Dry or brittle compounds and associated dust and/or debris were removed utilizing HEPA vacuums. Removed materials were placed in lined containers marked according to 40 CFR 761.40 and formatted according to 40 CFR 761.45. The materials were stored for disposal in accordance with 40 CFR 761.65.

The sequence of removal followed the general requirements:

1. PCB caulking compounds associated with interior and exterior wall expansion joints and exterior window and door units were removed along with approximately 8 inches of brick and properly containerized for disposal as PCB Bulk Product Waste ( $\geq 50$  mg/kg PCBs) by the Contractor.
2. PCB caulking compound associated with an interior floor joint was removed along with 6 inches of concrete from each side of the joint and properly containerized for disposal as PCB Bulk Product Waste ( $\geq 50$  mg/kg PCBs) by the Contractor.
3. Surfaces from which removal was performed were cleaned with a solvent-based cleaner and all surfaces were HEPA vacuumed by the Contractor.
4. Post-remediation verification sampling was conducted by EnviroScience in accordance with the approach from Sub-part O for porous materials.

### 3.2.2 PCB Remediation Waste

#### Concrete

PCB contaminated concrete was encountered during Site work and was addressed for removal as PCB Remediation Waste as part of a SIDP modification with EPA. The work included:

- The removal of a 150 SF concrete slab associated with the former hazardous waste storage area (HWSA). Based on weight tickets received from the Contractor, a total of 89.84 tons of concrete was removed and disposed of as PCB Remediation Waste.
- The removal of a 200 SF concrete pad associated with former transformer vault. Based on weight tickets received from the contractor, a total of 9 tons of concrete was removed and disposed of as PCB Remediation Waste.
- The removal of an 8,840 SF concrete slab associated with former maintenance garage area (original slab encountered under newer slab). Please note that the slab also consisted of an asbestos-containing moisture barrier, therefore the concrete was disposed of as a combined waste. Based on weight tickets received from the Contractor, a total of 277.01 tons of concrete was removed and disposed of as a combined waste (PCB and Asbestos).

#### Soil

PCB contaminated soils were identified for removal in Areas 4, 5, 6, Area 10, and Area 15 as PCB Remediation Waste in the SIDP. Based on weight tickets received from the contractor, a total of 179.73 tons was removed and disposed of as PCB Remediation Waste.

PCB contaminated soils were encountered during the removal of PCB contaminated concrete associated with the former maintenance garage slab and were addressed for removal as PCB Remediation Waste as part of a SIDP modification with EPA. Based on weight tickets received from the contractor, a total of 844.59 tons was removed and disposed of as PCB Remediation Waste.

### 3.3 Post-Remediation Verification Sampling-SIDP

#### 3.3.1 Bulk Verification Sampling

Verification sampling of porous masonry components were performed in accordance with 40 CFR 761.61 Sub-part O. Samples were collected approximately every 1.5 meters in a linear fashion along exterior concrete block and brick associated with window and door caulking compound and concrete floor associated with interior floor joint caulking compound in lieu of a grid pattern. Results were compared to the high occupancy standard for porous and non-porous surfaces of  $\leq 1$  mg/kg using the extraction method 3540C and analysis method SW846 8082.

Bulk verification sampling results are summarized in Table 1 below. Sample data that is in bold reflects sample results that exceed 1 mg/kg. Resampling data has been provided directly below samples that exceed the 1 mg/kg. Reporting levels were observed below 1.0 mg/kg for all samples. Reporting limits have been provided for samples with reportable PCB concentrations for reference.

**Table 1 – Bulk Verification Sample Results**

Sample ID	Sample Location	Material Description	Result (mg/kg)
100313-SV-CSE-01	Garage- South East, Wall Joint	Block	ND<0.4
100313-SV-CSE-02	Garage- South East, Wall Joint	Block	ND<0.74
100313-SV-IN-01	Garage Wall- Interior North Wall Joint	Block	ND<0.74
100313-SV-IN-02	Garage Wall- Interior North Wall Joint	Block	ND<0.33
100313-SV-IN-03	Garage Wall- Interior North Wall Joint	Block	0.59 RL-0.32
100313-SV-IN-04	Garage Wall- Interior North Wall Joint	Block	ND<0.44
100313-SV-IN-05	Garage Wall- Interior North Wall Joint	Block	ND<0.48
100313-SV-IS-01	Garage Wall- Interior South Wall Joint	Block	ND<0.47
100313-SV-IS-02	Garage Wall- Interior South Wall Joint	Block	ND<0.69
100313-SV-IS-03	Garage Wall- Interior South Wall Joint	Block	ND<0.48
100313-SV-IS-04	Garage Wall- Interior South Wall Joint	Block	ND<0.73
100313-SV-IS-05	Garage Wall- Interior South Wall Joint	Block	ND<0.49
100313-SV-DUP	Garage Wall- Interior South Wall Joint-Duplicate	Block	ND<0.41
101013-SV-1A	Garage- East Floor Expansion Joint	Caulk	ND<0.56
101013-SV-1B	Garage- East Floor Expansion Joint	Caulk	ND<0.6
101113-SV-B01	Garage- South Side Window	Brick	ND<0.8
101113-SV-B02	Garage- South Side Window	Brick	ND<0.46
101113-SV-B03	Garage- South Side Window	Brick	ND<0.46
101113-SV-B04	Garage- South Side Window	Brick	ND<0.78
101113-SV-B05	Garage- South Side Window	Brick	ND<0.69
101113-SV-B06	Garage- South Side Window	Brick	ND<0.59
101113-SV-B07	Garage- South Side Window	Brick	ND<0.62



Sample ID	Sample Location	Material Description	Result (mg/kg)
101113-SV-B08	Garage- South Side Window	Brick	ND<0.37
101113-SV-DUP	Garage- South Side Window-Duplicate	Brick	ND<0.64
101113-SV-B11	Garage- South Side Door	Brick	ND<0.57
101113-SV-B12	Garage- South Side Door	Brick	ND<0.59
101113-SV-B13	Garage- South Side Door	Brick	ND<0.68
101113-SV-B14	Garage- South Side Door	Brick	ND<0.7
101113-SV-B15JE	Garage- South Side, East Wall	Brick	ND<0.5
101113-SV-B16JE	Garage- South Side, East Wall	Brick	ND<0.47
101113-SV-B17JE	Garage- South Side, East Wall	Brick	ND<0.5
101113-SV-B18JW	Garage- South Side, West Wall	Brick	ND<0.61
101113-SV-B19JW	Garage- South Side, West Wall	Brick	ND<0.62
101113-SV-B20JW	Garage- South Side, West Wall	Brick	ND<0.33
101113-SV-DUP2	Garage- South Side, West Wall-Duplicate	Brick	ND<0.41
101413-SV-BW-01	Garage- North Side, Window Joint	Brick	ND<0.32
101413-SV-BW-02	Garage- North Side, Window Joint	Brick	ND<0.71
101413-SV-BW-03	Garage- North Side, Window Joint	Brick	ND<0.48
101413-SV-BW-04	Garage- North Side, Window Joint	Brick	ND<0.41
101413-SV-BW-05	Garage- North Side, Window Joint	Brick	ND<0.68
101413-SV-BW-06	Garage- North Side, Window Joint	Brick	ND<0.45
101413-SV-BW-07	Garage- North Side, Window Joint	Brick	ND<0.69
101413-SV-BW-08	Garage- North Side, Window Joint	Brick	ND<0.44
101413-SV-BW-09	Garage- North Side, Window Joint	Brick	ND<0.45
101413-SV-BW-10	Garage- North Side, Window Joint	Brick	ND<0.4
101413-SV-BW-11	Garage- North Side, Door Joint	Brick	ND<0.4
101413-SV-BW-12	Garage- North Side, Door Joint	Brick	ND<0.41
101413-SV-BW-13	Garage- North Side, Door Joint	Brick	ND<0.49
101413-SV-BW-14	Garage- North Side, Door Joint	Brick	ND<0.32
101413-SV-BW-15	Garage- North Side, Door Joint	Brick	ND<0.4
101413-SV-BW-16	Garage- North Side, Door Joint	Brick	ND<0.33
101413-SV-DUP	Garage- North Side, Door Joint-Duplicate	Brick	ND<0.54
101513-SV-W01	Garage Connector-East Side Window	Brick	ND<0.49
101513-SV-W02	Garage Connector-East Side Window	Brick	ND<0.57
101513-SV-W03	Garage Connector-East Side Window	Brick	ND<0.45
101513-SV-W04	Garage Connector-East Side Window	Brick	ND<0.33
101513-SV-W05	Garage Connector-East Side Window	Brick	ND<0.45
101513-SV-W06	Garage Connector-East Side Window	Brick	ND<0.45
101513-SV-W07	Garage Connector-East Side Window	Brick	ND<0.56
101513-SV-W08	Garage Connector-East Side Window	Brick	ND<0.33
101513-SV-D09	Garage Connector- East Side Door	Brick	ND<0.61



Sample ID	Sample Location	Material Description	Result (mg/kg)
101513-SV-D10	Garage Connector- East Side Door	Brick	ND<0.33
101513-SV-D11	Garage Connector- East Side Door	Brick	ND<0.33
101513-SV-D12	Garage Connector- Northeast Door	Brick	ND<0.49
101513-SV-D13	Garage Connector- Northeast Door	Brick	ND<0.47
101513-SV-D14	Garage Connector- Northeast Door	Brick	ND<0.39
101513-SV-D15	Garage Connector- Northeast Door	Brick	ND<0.38
101513-SV-D16	Garage Connector- Northeast Door	Brick	ND<0.38
101613-SV-WW01	Loading Area- South Side, West Wall	Brick	ND<0.33
101613-SV-WW02	Loading Area- South Side, West Wall	Brick	ND<0.33
101613-SV-WW03	Loading Area- South Side, West Wall	Brick	ND<0.34
101613-SV-WE04	Loading Area- South Side, East Wall	Brick	ND<0.34
101613-SV-WE05	Loading Area- South Side, East Wall	Brick	ND<0.33
101613-SV-WE06	Loading Area- South Side, East Wall	Brick	ND<0.33
101613-SV-D07	Loading Area- South Side, Door	Brick	ND<0.33
101613-SV-D08	Loading Area- South Side, Door	Brick	ND<0.34
101613-SV-D09	Loading Area- South Side, Door	Brick	ND<0.33
101613-SV-D10	Loading Area- South Side, Door	Brick	ND<0.33
101613-SV-H11	Garage- West Wall, Horizontal	Brick	ND<0.34
101613-SV-H12	Garage- West Wall, Horizontal	Brick	ND<0.33
101613-SV-H13	Garage- West Wall, Horizontal	Brick	ND<0.36
101613-SV-H14	Garage- West Wall, Horizontal	Brick	ND<0.35
101613-SV-WD15	Garage- West Wall, Door	Brick	ND<0.33
101613-SV-WD16	Garage- West Wall, Door	Brick	ND<0.33
101613-SV-WD17	Garage- West Wall, Door	Brick	ND<0.34
101613-SV-WD18	Garage- West Wall, Door	Brick	ND<0.33
101613-SV-DUP	Loading Area- South Side, West Wall-Duplicate	Brick	ND<0.35
KN10222013-01	Garage- East Side concrete floor at seam	Concrete	ND<0.34
KN10222013-02	Garage- East Side concrete floor at seam	Concrete	ND<0.33
KN10222013-03	Garage- East Side concrete floor at seam	Concrete	ND<0.33
103013-SV-B01	Cafeteria- Southeast, East Wall	Brick	ND<0.32
103013-SV-B02	Cafeteria- Southeast, East Wall	Brick	ND<0.33
103013-SV-B08	Cafeteria- Southeast, East Wall	Brick	ND<0.33
103013-SV-B09	Cafeteria- Southeast, East Wall	Brick	ND<0.34
103013-SV-B10	Cafeteria- Southeast, West Door	Brick	ND<0.33
103013-SV-B11	Cafeteria- Southeast, West Door	Brick	ND<0.33
103013-SV-B12	Cafeteria- Southeast, West Door	Brick	ND<0.32
103013-SV-B13	Cafeteria- Southeast, West Door	Brick	ND<0.33
103013-SV-B14	Cafeteria- Southeast, South Wall	Brick	ND<0.33
103013-SV-B15	Cafeteria- Southeast, South Wall	Brick	ND<0.998

Sample ID	Sample Location	Material Description	Result (mg/kg)
103013-SV-B16	Cafeteria- Southeast, South Wall	Brick	ND<0.33
103013-SV-B17	Cafeteria- Southeast, South Wall	Brick	ND<0.41
103013-SV-B18	Cafeteria- Southeast, South Wall	Brick	ND<0.98
103013-SV-B19	Cafeteria- Southeast, South Wall	Brick	ND<0.8
103013-SV-B20	Cafeteria- Southeast, South Wall	Brick	ND<0.92
103013-SV-B21	Cafeteria- Southeast, South Wall	Brick	ND<0.62
103013-SV-B22	Cafeteria- Southeast, South Wall	Brick	ND<0.74
103013-SV-B23	Cafeteria- Southeast, South Wall	Brick	ND<0.91
103013-SV-B24	Cafeteria- Southeast, South Wall	Brick	ND<0.92
103013-SV-B25	Cafeteria- Southeast, South Wall	Brick	ND<0.56
103013-SV-B26	Cafeteria- Southeast, South Wall	Brick	ND<0.61
103013-SV-B27	Cafeteria- Southeast, South Wall	Brick	ND<0.48
103013-SV-B28	Cafeteria- Southeast, South Wall	Brick	ND<0.32
103013-SV-DUP	Cafeteria- Southeast, South Wall-Duplicate	Brick	ND<0.45
103113-SV-B01	Kitchen- North Side, East Window	Brick	ND<0.38
103113-SV-B02	Kitchen- North Side, East Window	Brick	ND<0.49
103113-SV-B05	Kitchen- North Side, East Window	Brick	ND<0.44
103113-SV-B06	Kitchen- North Side, East Window	Brick	ND<0.33
103113-SV-B09	Kitchen- North Side, Center Window	Brick	ND<0.48
103113-SV-B10	Kitchen- North Side, Center Window	Brick	ND<0.99
103113-SV-B13	Kitchen- North Side, Center Window	Brick	ND<0.38
103113-SV-B14	Kitchen- North Side, Center Window	Brick	ND<0.49
103113-SV-B17	Kitchen- North Side, West Window	Brick	ND<0.6
103113-SV-B18	Kitchen- North Side, West Window	Brick	ND<0.45
103113-SV-B21	Kitchen- North Side, West Window	Brick	ND<0.41
103113-SV-B24	Kitchen- North Side, Door	Brick	ND<0.68
103113-SV-B25	Kitchen- North Side, Door	Brick	ND<0.45
103113-SV-B26	Kitchen- North Side, Door	Brick	ND<0.41
103113-SV-B27	Kitchen- North Side, Door	Brick	ND<0.62
103113-SV-B28	Kitchen- North Side, Door	Brick	ND<0.67
103113-SV-DUP	Kitchen- North Side, Door-Duplicate	Brick	ND<0.68
KN110413-01	Cafeteria- West, Door	Brick	ND<0.33
KN110413-02	Cafeteria- West, Door	Brick	ND<0.33
KN110413-03	Cafeteria- West, Door	Brick	ND<0.32
KN110413-04	Cafeteria- West, Door	Brick	ND<0.33
KN110413-05	Cafeteria- West, North Window	Brick	ND<0.36
KN110413-06	Cafeteria- West, North Window	Brick	ND<0.34
KN110413-07	Cafeteria- West, North Window	Brick	ND<0.34
KN110413-09	Cafeteria- West, North Window	Brick	ND<0.32

Sample ID	Sample Location	Material Description	Result (mg/kg)
KN110413-10	Cafeteria- West, North Window	Brick	ND<0.34
KN110413-11	Cafeteria- West, North Window	Brick	ND<0.34
KN110413-12	Cafeteria- West, South Window	Brick	ND<0.34
KN110413-13	Cafeteria- West, South Window	Brick	ND<0.33
KN110413-14	Cafeteria- West, South Window	Brick	ND<0.33
KN110413-16	Cafeteria- West, South Window	Brick	ND<0.35
KN110413-17	Cafeteria- West, South Window	Brick	ND<0.33
KN110413-18	Cafeteria- West, South Window	Brick	ND<0.34
120313-SV-01	West Wall Windows- Main Building, 1st Floor	Brick	ND<0.34
120313-SV-02	West Wall Windows- Main Building, 1st Floor	Brick	ND<0.71
120313-SV-03	West Wall Windows- Main Building, 1st Floor	Brick	ND<0.49
120313-SV-04	West Wall Windows- Main Building, 1st Floor	Brick	ND<0.4
120313-SV-05	West Wall Windows- Main Building, 1st Floor	Brick	ND<0.62
120313-SV-06	West Wall Windows- Main Building, 1st Floor	Brick	ND<0.33
120313-SV-07	West Wall Windows- Main Building, 1st Floor	Brick	ND<0.34
120313-SV-08	West Wall Windows- Main Building, 1st Floor	Brick	ND<0.34
120313-SV-09	West Wall Windows- Main Building, 1st Floor	Brick	ND<0.33
120313-SV-10	West Wall Windows- Main Building, 1st Floor	Brick	ND<0.34
120313-SV-11	West Wall Windows- Main Building, South Wall	Brick	ND<0.59
120313-SV-12	West Wall Windows- Main Building, South Wall	Brick	ND<0.5
120313-SV-13	West Wall Windows- Main Building, South Wall	Brick	ND<0.33
120313-SV-14	West Wall Windows- Main Building, South Wall	Brick	ND<0.33
120313-SV-15	West Wall Windows- Main Building, South Wall	Brick	ND<0.33
120313-SV-16	West Wall Windows- Main Building, North Wall	Brick	ND<0.74
120313-SV-17	West Wall Windows- Main Building, North Wall	Brick	ND<0.44
120313-SV-18	West Wall Windows- Main Building, North Wall	Brick	ND<0.48
120313-SV-19	West Wall Windows- Main Building, North Wall	Brick	ND<0.45
<b>120313-SV-20</b>	<b>West Wall Windows- Main Building, North Wall</b>	<b>Brick</b>	<b>1.1 RL-0.61</b>
120613-KN-20A	Resample	Brick	ND<0.43
120313-SV-21	West Wall Windows- Main Building, Horizontal	Brick	ND<0.67
120313-SV-22	West Wall Windows- Main Building, Horizontal	Brick	ND<0.4
<b>120313-SV-23</b>	<b>West Wall Windows- Main Building, Horizontal</b>	<b>Brick</b>	<b>1.2 RL-0.44</b>
120613-KN-23A	Resample	Brick	ND<0.34
<b>120313-SV-24</b>	<b>West Wall Windows- Main Building, Horizontal</b>	<b>Brick</b>	<b>1.9 RL-0.55</b>
120613-KN-24A	Resample	Brick	ND<0.43
120313-SV-25	West Wall Windows- Main Building, Horizontal	Brick	ND<0.42
120313-SV-26	West Wall Windows- Main Building, Horizontal	Brick	ND<0.55

Sample ID	Sample Location	Material Description	Result (mg/kg)
120313-SV-27	West Wall Windows- Main Building, Horizontal	Brick	ND<0.46
120313-SV-28	West Wall Windows- Main Building, Horizontal	Brick	ND<0.5
120313-SV-29	West Wall Windows- Main Building, Horizontal	Brick	ND<0.67
120313-SV-30	West Wall Windows- Main Building, Horizontal	Brick	ND<0.43
120313-SV-31	West Wall Windows- Main Building, Horizontal	Brick	ND<0.46
120313-SV-33DUP	West Wall Windows- Main Building, 1st Floor-Duplicate	Brick	ND<0.34
120313-SV-34DUP	West Wall Windows- Main Building, South Wall-Duplicate	Brick	ND<0.75
120313-SV-35DUP	West Wall Windows- Main Building, North Wall-Duplicate	Brick	ND<0.59
121313-SV-01	South Wall Windows- Main Building, West	Brick	ND<0.37
121313-SV-02	South Wall Windows- Main Building, West	Brick	ND<0.42
121313-SV-07	South Wall Windows- Main Building, West	Brick	0.88 RL-0.44
121313-SV-08	South Wall Windows- Main Building, West	Brick	0.8 RL-0.37
121313-SV-09	South Wall Windows- Main Building, West	Brick	ND<0.37
121313-SV-10	South Wall Windows- Main Building, West	Brick	ND<0.81
121313-SV-11	South Wall Windows- Main Building, West	Brick	ND<0.43
121313-SV-12	South Wall Windows- Main Building, West	Brick	ND<0.39
121313-SV-13	South Wall Windows- Main Building, West	Brick	ND<0.33
121313-SV-14	South Wall Windows- Main Building, West	Brick	ND<0.44
121313-SV-15	South Wall Windows- Main Building, West	Brick	ND<0.33
121313-SV-16	South Wall Windows- Main Building, West	Brick	ND<0.33
121313-SV-17	South Wall Windows- Main Building, West	Brick	ND<0.8
121313-SV-18	South Wall Windows- Main Building, West	Brick	ND<0.38
121313-SV-19	South Wall Windows- Main Building, West	Brick	ND<0.32
121313-SV-20	South Wall Windows- Main Building, West	Brick	ND<0.33
121313-SV-21	South Wall Windows- Main Building, West	Brick	ND<0.45
121313-SV-32	South Wall Windows- Main Building, West	Brick	ND<0.33
121313-SV-33	South Wall Windows- Main Building, West	Brick	0.34 RL-0.33
121313-SV-34	South Wall Windows- Main Building, West	Brick	ND<0.33
121313-SV-35	South Wall Windows- Main Building, West	Brick	0.39 RL-0.33
121313-SV-36	South Wall Windows- Main Building, West	Brick	0.54 RL-0.35
121313-SV-37	South Wall Windows- Main Building, West	Brick	0.6 RL-0.4
121313-SV-38	South Wall Windows- Main Building, West	Brick	ND<0.3
121313-SV-39	South Wall Windows- Main Building, West	Brick	ND<0.33
121313-SV-40	South Wall Windows- Main Building, West	Brick	ND<0.52

Sample ID	Sample Location	Material Description	Result (mg/kg)
121313-SV-DUP1	South Wall Windows- Main Building, West-Duplicate	Brick	ND<0.42
121713-SV-01	North Wall Windows- West Side, East Vertical	Brick	ND<0.94
121713-SV-02	North Wall Windows- West Side, East Vertical	Brick	ND<0.62
121713-SV-03	North Wall Windows- West Side, East Vertical	Brick	ND<0.79
121713-SV-04	North Wall Windows- West Side, East Vertical	Brick	ND<0.57
121713-SV-05	North Wall Windows- West Side, East Vertical	Brick	ND<0.6
121713-SV-21	North Wall Windows- West Side, West Vertical	Brick	ND<0.88
121713-SV-22	North Wall Windows- West Side, West Vertical	Brick	ND<0.41
121713-SV-23	North Wall Windows- West Side, West Vertical	Brick	ND<0.79
121713-SV-24	North Wall Windows- West Side, West Vertical	Brick	ND<0.92
121713-SV-25	North Wall Windows- West Side, West Vertical	Brick	ND<0.74
122713-KN-01	North Wall Windows- East Side, East Vertical	Brick	ND<0.39
122713-KN-02	North Wall Windows- East Side, East Vertical	Brick	ND<0.44
122713-KN-03	North Wall Windows- East Side, East Vertical	Brick	ND<0.45
122713-KN-04	North Wall Windows- East Side, East Vertical	Brick	ND<0.47
122713-KN-05	North Wall Windows- East Side, East Vertical	Brick	ND<0.93
122713-KN-05DUP	North Wall Windows- East Side, East Vertical-Duplicate	Brick	ND<0.37
122713-KN-06	North Wall Windows- East Side, East Vertical	Brick	ND<0.5
122713-KN-07	North Wall Windows- East Side, East Vertical	Brick	ND<0.65
122713-KN-08	North Wall Windows- East Side, East Vertical	Brick	ND<1
122713-KN-09	North Wall Windows- East Side, East Vertical	Brick	ND<0.98
122713-KN-30	North Wall Windows- East Side, West Vertical	Brick	ND<0.86
122713-KN-31	North Wall Windows- East Side, West Vertical	Brick	ND<0.89
122713-KN-32	North Wall Windows- East Side, West Vertical	Brick	ND<0.58
122713-KN-33	North Wall Windows- East Side, West Vertical	Brick	ND<0.66
122713-KN-34	North Wall Windows- East Side, West Vertical	Brick	ND<0.61
122713-KN-34DUP	North Wall Windows- East Side, West Vertical-Duplicate	Brick	ND<0.7
122713-KN-35	North Wall Windows- East Side, West Vertical	Brick	ND<0.89
122713-KN-36	North Wall Windows- East Side, West Vertical	Brick	ND<0.69
122713-KN-37	North Wall Windows- East Side, West Vertical	Brick	ND<0.93
122713-KN-38	North Wall Windows- East Side, West Vertical	Brick	ND<0.55
011514-SV-01	East Wall Windows- Main Building, South Vertical	Brick	ND<0.35
011514-SV-02	East Wall Windows- Main Building, South Vertical	Brick	ND<0.36
011514-SV-03	East Wall Windows- Main Building, South Vertical	Brick	ND<0.35
011514-SV-04	East Wall Windows- Main Building, South Vertical	Brick	ND<0.35
011514-SV-05	East Wall Windows- Main Building, South Vertical	Brick	ND<0.35
011514-SV-06	East Wall Windows- Main Building, South Vertical	Brick	ND<0.35
011514-SV-07	East Wall Windows- Main Building, South Vertical	Brick	ND<0.33



Sample ID	Sample Location	Material Description	Result (mg/kg)
011514-SV-08	East Wall Windows- Main Building, South Vertical	Brick	ND<0.34
011514-SV-09	East Wall Windows- Main Building, North Vertical	Brick	ND<0.33
011514-SV-10	East Wall Windows- Main Building, North Vertical	Brick	ND<0.33
011514-SV-11	East Wall Windows- Main Building, North Vertical	Brick	ND<0.34
011514-SV-12	East Wall Windows- Main Building, North Vertical	Brick	ND<0.35
011514-SV-13	East Wall Windows- Main Building, North Vertical	Brick	ND<0.34
011514-SV-14	East Wall Windows- Main Building, North Vertical	Brick	ND<0.35
011514-SV-15	East Wall Windows- Main Building, North Vertical	Brick	ND<0.35
011514-SV-16	East Wall Windows- Main Building, North Vertical	Brick	ND<0.36
011514-SV-DUP	East Wall Windows- Main Building, North Vertical-Duplicate	Brick	ND<0.36
020414-KN-01	North Stairway- Main Building, East Vertical	Brick	ND<0.51
020414-KN-02	North Stairway- Main Building, East Vertical	Brick	ND<0.5
020414-KN-03	North Stairway- Main Building, East Vertical	Brick	ND<0.52
020414-KN-04	North Stairway- Main Building, East Vertical	Brick	ND<0.5
020414-KN-05	North Stairway- Main Building, East Vertical	Brick	ND<0.62
020414-KN-06	North Stairway- Main Building, East Vertical	Brick	ND<0.51
020414-KN-07	North Stairway- Main Building, East Vertical	Brick	ND<0.74
020414-KN-08	North Stairway- Main Building, East Vertical	Brick	ND<0.58
020414-KN-09	North Stairway- Main Building, East Vertical	Brick	ND<0.68
020414-KN-10	North Stairway- Main Building, West Vertical	Brick	ND<0.58
020414-KN-11	North Stairway- Main Building, West Vertical	Brick	ND<0.88
020414-KN-12	North Stairway- Main Building, West Vertical	Brick	ND<0.57
020414-KN-17	North Stairway- Main Building, West Vertical	Brick	ND<0.5
020414-KN-18	North Stairway- Main Building, West Vertical	Brick	ND<0.71
020414-KN-18-DUP	North Stairway- Main Building, West Vertical-Duplicate	Brick	ND<0.73
020614-SV-27	South Wall Windows- Main Building, East	Brick	ND<0.75
020614-SV-28	South Wall Windows- Main Building, East	Brick	ND<0.49
020614-SV-29	South Wall Windows- Main Building, East	Brick	ND<0.49
020614-SV-30	South Wall Windows- Main Building, East	Brick	ND<0.69
020614-SV-31	South Wall Windows- Main Building, East	Brick	ND<0.71
020614-SV-32	South Wall Windows- Main Building, East	Brick	ND<0.7
020614-SV-33	South Wall Windows- Main Building, East	Brick	ND<0.7
020614-SV-34	South Wall Windows- Main Building, East	Brick	ND<0.48
020614-SV-35	South Wall Windows- Main Building, East	Brick	ND<0.48
020614-SV-DUP2	South Wall Windows- Main Building, East-Duplicate	Brick	ND<0.47
021214-SV-01	East Wall- South Building	Brick	ND<0.34
021214-SV-02	East Wall- South Building	Brick	ND<0.33
021214-SV-03	East Wall- South Building	Brick	ND<0.34

Sample ID	Sample Location	Material Description	Result (mg/kg)
021214-SV-04	East Wall- South Building	Brick	ND<0.34
021214-SV-05	East Wall- South Building	Brick	ND<0.33
021214-SV-06	East Wall- South Building	Brick	ND<0.33
021214-SV-07	East Wall- South Building	Brick	ND<0.33
021214-SV-08	East Wall- South Building	Brick	ND<0.33
021214-SV-09	East Wall- South Building	Brick	ND<0.33
021214-SV-10	East Wall- South Building	Brick	ND<0.33
021214-SV-11	East Wall- South Building	Brick	ND<0.33
021214-SV-12	East Wall- South Building	Brick	ND<0.32
022014-SV-01	South Wall- South Building, West Vertical	Brick	ND<0.33
022014-SV-02	South Wall- South Building, West Vertical	Brick	ND<0.48
022014-SV-03	South Wall- South Building, West Vertical	Brick	ND<0.48
022014-SV-04	South Wall- South Building, West Vertical	Brick	ND<0.48
022014-SV-05	South Wall- South Building, West Vertical	Brick	ND<0.5
022014-SV-06	South Wall- South Building, West Vertical	Brick	ND<0.48
022014-SV-07	South Wall- South Building, East Vertical	Brick	ND<0.96
022014-SV-08	South Wall- South Building, East Vertical	Brick	ND<0.49
022014-SV-09	South Wall- South Building, East Vertical	Brick	ND<0.47
022014-SV-10	South Wall- South Building, East Vertical	Brick	ND<0.5
022014-SV-11	South Wall- South Building, East Vertical	Brick	ND<0.33
022014-SV-12	South Wall- South Building, East Vertical	Brick	ND<0.5
022514-SV-01	West Wall- South Building, North Vertical	Brick	ND<0.33
022514-SV-02	West Wall- South Building, North Vertical	Brick	ND<0.33
022514-SV-03	West Wall- South Building, North Vertical	Brick	ND<0.33
022514-SV-04	West Wall- South Building, North Vertical	Brick	ND<0.49
022514-SV-05	West Wall- South Building, North Vertical	Brick	ND<0.5
022514-SV-06	West Wall- South Building, North Vertical	Brick	0.56 RL-0.5
022514-SV-07	West Wall- South Building, South Vertical	Brick	ND<0.46
022514-SV-08	West Wall- South Building, South Vertical	Brick	ND<0.48
022514-SV-09	West Wall- South Building, South Vertical	Brick	ND<0.34
022514-SV-10	West Wall- South Building, South Vertical	Brick	ND<0.49
022514-SV-11	West Wall- South Building, South Vertical	Brick	ND<0.33
022514-SV-12	West Wall- South Building, South Vertical	Brick	ND<0.69
022714-SV-01	North Wall- South Building, East Vertical	Brick	ND<0.49
022714-SV-02	North Wall- South Building, East Vertical	Brick	ND<0.51
022714-SV-03	North Wall- South Building, East Vertical	Brick	ND<0.34
022714-SV-04	North Wall- South Building, East Vertical	Brick	ND<0.33
022714-SV-05	North Wall- South Building, East Vertical	Brick	ND<0.5
022714-SV-06	North Wall- South Building, East Vertical	Brick	ND<0.49

Sample ID	Sample Location	Material Description	Result (mg/kg)
022714-SV-08	North Wall- South Building, Connector, East Vertical	Brick	ND<0.38
022714-SV-09	North Wall- South Building, Connector, East Vertical	Brick	ND<0.33
022714-SV-10	North Wall- South Building, Connector, West Vertical	Brick	ND<0.34
022714-SV-11	North Wall- South Building, Connector, West Vertical	Brick	ND<0.33
022714-SV-12	North Wall- South Building, Connector, West Vertical	Brick	ND<0.33
022714-SV-13	North Wall- South Building, West Vertical	Brick	ND<0.34
022714-SV-14	North Wall- South Building, West Vertical	Brick	ND<0.49
022714-SV-15	North Wall- South Building, West Vertical	Brick	ND<0.33
022714-SV-16	North Wall- South Building, West Vertical	Brick	ND<0.33
022714-SV-17	North Wall- South Building, West Vertical	Brick	ND<0.34
022714-SV-18	North Wall- South Building, West Vertical	Brick	ND<0.5
022714-SV-DUP	North Wall- South Building, East Vertical-Duplicate	Brick	ND<0.33

ND = None Detected; RL = Reporting Limit

The analytical reports for the Bulk Verification Sampling and sampling locations are provided in *Appendix D*. Please note that the laboratory analytical report for the data referenced above includes bulk samples for a floor joint caulking material not previously sampled in the building. The results indicated the material did not contain PCBs.

### 3.3.2 Wipe Verification Sampling

#### **Interior Concrete Floor Wipe Sampling-Containment Cleaning Verification**

The SIDP specified after the removal of the interior concrete slab floor caulking compound (1 joint) and the interior wall expansion joint (1 joint) in the former maintenance garage area (one containment) that wipe samples be collected on the floor in the area of containment once the containment was cleaned to verify cleaning.

One wipe sample was collected within the containment and a second wipe sample collected from within 2 feet of the containment for PCB analysis. Results were compared to high occupancy standard for non-porous surfaces of  $\leq 1$  micrograms per 100 centimeters squared ( $\mu\text{g}/100\text{ cm}^2$ ) using extraction method 3540C and analysis method SW846 8082.

The samples supported the final cleaning and the effectiveness of the containment barriers to prohibit migration of PCB from the containment area. The results of the Wipe Sampling are described in **Table 2** below.

#### **Steel lintel Wipe Samples**

Wipe verification sampling of non-porous steel lintels was performed utilizing a modified approach to 40 CFR 761.61 Sub-part P. Sampling was performed after the chemically removing paint from the surfaces. Samples were collected approximately every 1.5 meter in a linear fashion along the steel lintels



in lieu of a grid pattern. Results were compared to high occupancy standard for non-porous surfaces of  $\leq 1 \mu\text{g}/100\text{cm}^2$  using extraction method 3540C and analysis method SW846 8082.

The results of the Wipe Verification Sampling are described in **Table 2** below. Sample data that is in bold reflects sample results that exceeded the standard. Resampling data has been provided directly below samples that exceeded the standard. Reporting levels were observed below the standard for all samples unless noted in the table.

**Table 2 – Wipe Verification Sample Results**

Sample ID	Sample Location	Work Area	Material Description	Result ( $\mu\text{g}/100\text{cm}^2$ )
<b>Wipes conducted in and around containment to verify cleaning in area was successful</b>				
100313-SV-WI-01	Garage Wall- Floor Wipe- Inside	Area 20	Concrete	ND<1.0
100313-SV-WO-02	Garage Wall- Floor Wipe- Outside	Area 20	Concrete	ND<1.0
100313-SV-Blank	Garage Wall- Floor Wipe- Blank	Area 20	Concrete	ND<1.0
<b>Wipes conducted on metal surfaces previously in contact with a PCB Source</b>				
103013-SV-W03	Cafeteria- South/East Side, South Wall	Area 15	Steel Lintel	ND<1.0
103013-SV-W04	Cafeteria- South/East Side, South Wall	Area 15	Steel Lintel	ND<1.0
103013-SV-W05	Cafeteria- South/East Side, South Wall	Area 15	Steel Lintel	ND<1.0
103013-SV-W06	Cafeteria- South/East Side, South Wall	Area 15	Steel Lintel	ND<1.0
103013-SV-W07	Cafeteria- South/East Side, South Wall	Area 15	Steel Lintel	ND<1.0
103113-SV-W03	Kitchen- North Side, East Window	Area 18	Steel Lintel	ND<1.0
103113-SV-W04	Kitchen- North Side, East Window	Area 18	Steel Lintel	ND<1.0
103113-SV-W11	Kitchen- North Side, Center Window	Area 18	Steel Lintel	ND<1.0
103113-SV-W12	Kitchen- North Side, Center Window	Area 18	Steel Lintel	ND<1.0
103113-SV-W19	Kitchen- North Side, West Window	Area 18	Steel Lintel	ND<1.0
103113-SV-W20	Kitchen- North Side, West Window	Area 18	Steel Lintel	ND<1.0
KN110413-08	Cafeteria- West, North Window	Area 16	Steel Lintel	ND<1.0
KN110413-15	Cafeteria- West, South Window	Area 16	Steel Lintel	ND<1.0
121313-SV-03	South Wall Windows- West Side	Area 14	Steel Lintel	ND<1.0
<b>121313-SV-04</b>	<b>South Wall Windows- West Side</b>	<b>Area 14</b>	<b>Steel Lintel</b>	<b>2.2 RL-1.0</b>
033114-KN-S04	Resample	Area 6	Steel Lintel	ND<1.0
121313-SV-05	South Wall Windows- West Side	Area 14	Steel Lintel	ND<1.0
<b>121313-SV-22</b>	<b>South Wall Windows- West Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>6.4 RL-5.0</b>
033114-KN-S01A	Resample	Area 6	Steel Lintel	ND<1.0
<b>121313-SV-23</b>	<b>South Wall Windows- West Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>4.7 RL-1.0</b>
033114-KN-S02A	Resample	Area 6	Steel Lintel	ND<1.0
<b>121313-SV-24</b>	<b>South Wall Windows- West Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>9.2 RL-5.0</b>
033114-KN-S03A	Resample	Area 6	Steel Lintel	ND<1.0
<b>121313-SV-25</b>	<b>South Wall Windows- West Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>3.1 RL-1.0</b>
033114-KN-S04A	Resample	Area 6	Steel Lintel	ND<1.0

Sample ID	Sample Location	Work Area	Material Description	Result (µg/100 cm <sup>2</sup> )
<b>121313-SV-26</b>	<b>South Wall Windows- West Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>8.1</b> <b>RL-5.0</b>
033114-KN-S05A	Resample	Area 6	Steel Lintel	ND<1.0
<b>121313-SV-27</b>	<b>South Wall Windows- West Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>9.6</b> <b>RL-5.0</b>
033114-KN-S06A	Resample	Area 6	Steel Lintel	ND<1.0
<b>121313-SV-28</b>	<b>South Wall Windows- West Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>8.9</b> <b>RL-5.0</b>
<b>033114-KN-S07A</b>	<b>Resample</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>1.3</b> <b>RL-1.0</b>
041014-SV-S07B	Resample 2	Area 6	Steel Lintel	ND<1.0
<b>121313-SV-29</b>	<b>South Wall Windows- West Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>14</b> <b>RL-5.0</b>
033114-KN-S08A	Resample	Area 6	Steel Lintel	ND<1.0
<b>121313-SV-30</b>	<b>South Wall Windows- West Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>14</b> <b>RL-5.0</b>
<b>033114-KN-S09A</b>	<b>Resample</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>2.2</b> <b>RL-1.0</b>
<b>041014-SV-S09B</b>	<b>Resample 2</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>1.2</b> <b>RL-1.0</b>
051214-BG-S09C	Resample 3	Area 6	Steel Lintel	ND<1.0
<b>121313-SV-31</b>	<b>South Wall Windows- West Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>16</b> <b>RL-5.0</b>
033114-KN-S10A	Resample	Area 6	Steel Lintel	ND<1.0
<b>121313-SV-DUP2</b>	<b>South Wall Windows- West Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>5.7</b> <b>RL-1.0</b>
<b>033114-KN-SDUPA</b>	<b>Resample</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>1.6</b> <b>RL-1.0</b>
041014-SV-S03DUPB	Resample 2	Area 6	Steel Lintel	ND<1.0
<b>121713-SV-06</b>	<b>North Wall Windows- West Side, Top Horizontal</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>2.4</b> <b>RL-1.0</b>
033114-KN-W6A	Resample	Area 4	Steel Lintel	ND<1.0
<b>121713-SV-07</b>	<b>North Wall Windows- West Side, Top Horizontal</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>5.8</b> <b>RL-1.0</b>
033114-KN-W7A	Resample	Area 4	Steel Lintel	ND<1.0
<b>121713-SV-08</b>	<b>North Wall Windows- West Side, Top Horizontal</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>6.5</b> <b>RL-1.0</b>
033114-KN-W8A	Resample	Area 4	Steel Lintel	ND<1.0
<b>121713-SV-09</b>	<b>North Wall Windows- West Side, Top Horizontal</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>6.6</b> <b>RL-1.0</b>
033114-KN-W9A	Resample	Area 4	Steel Lintel	ND<1.0
<b>121713-SV-10</b>	<b>North Wall Windows- West Side, Top Horizontal</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>5.5</b> <b>RL-1.0</b>
<b>033114-KN-W10A</b>	<b>Resample</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>1.6</b> <b>RL-1.0</b>
<b>041114-BG-NW10B</b>	<b>Resample 2</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>1.8</b> <b>RL-1.0</b>

Sample ID	Sample Location	Work Area	Material Description	Result (µg/100 cm <sup>2</sup> )
051314-BG-W10C	Resample 3	Area 4	Steel Lintel	ND<1.0
121713-SV-11	North Wall Windows- West Side, Top Horizontal	Area 4	Steel Lintel	5.4 RL-1.0
033114-KN-W11A	Resample 2	Area 4	Steel Lintel	2.0 RL-1.0
041114-BG-NW11B	Resample 3	Area 4	Steel Lintel	1.3 RL-1.0
051314-BG-W11C	Resample-4	Area 4	Steel Lintel	ND<1.0
121713-SV-12	North Wall Windows- West Side, Top Horizontal	Area 4	Steel Lintel	2.7 RL-1.0
033114-KN-W12A	Resample	Area 4	Steel Lintel	3.0 RL-1.0
041114-BG-NW12B	Resample 2	Area 4	Steel Lintel	1.1 RL-1.0
041114-BG-NW12B DUP	Resample 2-Duplicate	Area 4	Steel Lintel	ND<1.0
051314-BG-W12C	Resample 3	Area 4	Steel Lintel	ND<1.0
121713-SV-13	North Wall Windows- West Side, Top Horizontal	Area 4	Steel Lintel	7.5 RL-1.0
033114-KN-W13A	Resample	Area 4	Steel Lintel	2.9 RL-1.0
041114-BG-NW13B	Resample 2	Area 4	Steel Lintel	1.9 RL-1.0
051314-BG-W13C	Resample-3	Area 4	Steel Lintel	ND<1.0
121713-SV-14	North Wall Windows- West Side, Top Horizontal	Area 4	Steel Lintel	22 RL-5.0
033114-KN-W14A	Resample	Area 4	Steel Lintel	2.0 RL-1.0
041114-BG-NW14B	Resample 2	Area 4	Steel Lintel	1.4 RL-1.0
051314-BG-W14C	Resample 3	Area 4	Steel Lintel	ND<1.0
121713-SV-15	North Wall Windows- West Side, Top Horizontal	Area 4	Steel Lintel	8.4 RL-1.0
033114-KN-W15A	Resample	Area 4	Steel Lintel	3.7 RL-1.0
041114-BG-NW15B	Resample 2	Area 4	Steel Lintel	1.7 RL-1.0
051314-BG-W15C	Resample 3	Area 4	Steel Lintel	ND<1.0
121713-SV-16	North Wall Windows- West Side, Top Horizontal	Area 4	Steel Lintel	3.5 RL-1.0
033114-KN-W16A	Resample	Area 4	Steel Lintel	2.2 RL-1.0
041114-BG-NW16B	Resample 2	Area 4	Steel Lintel	2.3 RL-1.0
051314-BG-W16C	Resample 3	Area 4	Steel Lintel	ND<1.0
121713-SV-17	North Wall Windows- West Side, Top Horizontal	Area 4	Steel Lintel	ND<1.0

Sample ID	Sample Location	Work Area	Material Description	Result (µg/100 cm <sup>2</sup> )
033114-KN-W17A	Resample	Area 4	Steel Lintel	1.4 RL-1.0
041114-BG-NW17B	Resample 2	Area 4	Steel Lintel	ND<1.0
121713-SV-18	North Wall Windows- West Side, Top Horizontal	Area 4	Steel Lintel	2.8 RL-1.0
033114-KN-W18A	Resample	Area 4	Steel Lintel	ND<1.0
121713-SV-19	North Wall Windows- West Side, Top Horizontal	Area 4	Steel Lintel	2.6 RL-1.0
033114-KN-W19A	Resample	Area 4	Steel Lintel	ND<1.0
121713-SV-20	North Wall Windows- West Side, Top Horizontal	Area 4	Steel Lintel	6.2 RL-1.0
033114-KN-W20A	Resample	Area 4	Steel Lintel	2.5 RL-1.0
041114-BG-NW20B	Resample 2	Area 4	Steel Lintel	1.1 RL-1.0
051314-BG-W20C	Resample 3	Area 4	Steel Lintel	ND<1.0
121713-SV-DUP	North Wall Windows- West Side, Top Horizontal-duplicate	Area 4	Steel Lintel	7.6 RL-1.0
033114-KN-WDUPA	Duplicate	Area 4	Steel Lintel	4.7 RL-1.0
122713-KN-10	Resample 1	Area 4	Steel Lintel	12 RL-5.0
033114-KN-E10A	Resample 2	Area 4	Steel Lintel	2.6 RL-1.0
041114-BG-NE-10B	Resample 3	Area 4	Steel Lintel	ND<1.0
122713-KN-11	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	7.1 RL-1.0
033114-KN-E11A	Resample	Area 4	Steel Lintel	2.0 RL-1.0
041114-BG-NE-11B	Resample 2	Area 4	Steel Lintel	ND<1.0
122713-KN-12	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	32 RL-5.0
033114-KN-E12A	Resample	Area 4	Steel Lintel	2.8 RL-1.0
041114-BG-NE-12B	Resample 2	Area 4	Steel Lintel	2.0 RL-1.0
051214-BG-E12C	Resample 3	Area 4	Steel Lintel	ND<1.0
122713-KN-13	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	7.0 RL-1.0
033114-KN-E13A	Resample	Area 4	Steel Lintel	ND<0.0
122713-KN-14	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	Destroyed at lab
122713-KN-14REDO	Replace lost/destroyed sample	Area 4	Steel Lintel	25 RL-5.0
033114-KN-E14A	Resample	Area 4	Steel Lintel	ND<0.0
122713-KN-15	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	2.4 RL-1.0

Sample ID	Sample Location	Work Area	Material Description	Result (µg/100 cm <sup>2</sup> )
033114-KN-E15A	Resample	Area 4	Steel Lintel	1.1 RL-1.0
041114-BG-NE-15B	Resample 2	Area 4	Steel Lintel	ND<0.0
122713-KN-16	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	20 RL-5.0
033114-KN-E16A	Resample	Area 4	Steel Lintel	ND<0.0
122713-KN-17	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	18 RL-5.0
033114-KN-E17A	Resample	Area 4	Steel Lintel	1.6 RL-1.0
041114-BG-NE-17B	Resample 2	Area 4	Steel Lintel	1.9 RL-1.0
051214-BG-17C	Resample 3	Area 4	Steel Lintel	ND<1.0
122713-KN-18	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	21 RL-5.0
033114-KN-E18A	Resample	Area 4	Steel Lintel	2.2 RL-1.0
041114-BG-NE-18B	Resample 2	Area 4	Steel Lintel	1.5 RL-1.0
051214-BG-E18C	Resample 3	Area 4	Steel Lintel	ND<1.0
122713-KN-19	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	20 RL-5.0
033114-KN-E19A	Resample	Area 4	Steel Lintel	ND<0.0
122713-KN-20	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	3.4 RL-1.0
033114-KN-E20A	Resample1	Area 4	Steel Lintel	1.0 RL-1.0
041114-BG-NE-20B	Resample 2	Area 4	Steel Lintel	ND<1.0
122713-KN-21	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	6.9 RL-5.0
033114-KN-E21A	Resample	Area 4	Steel Lintel	1.5 RL-1.0
041114-BG-NE-21B	Resample 2	Area 4	Steel Lintel	ND<1.0
122713-KN-22	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	13 RL-5.0
033114-KN-E22A	Resample 1	Area 4	Steel Lintel	2.1 RL-1.0
041114-BG-NE-22B	Resample 2	Area 4	Steel Lintel	1.6 RL-1.0
051214-BG-E22C	Resample 3	Area 4	Steel Lintel	ND<1.0
122713-KN-23	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	17 RL-5.0
033114-KN-E23A	Resample	Area 4	Steel Lintel	ND<0.0
122713-KN-24	North Wall Windows- East Side, Top Horizontal	Area 4	Steel Lintel	15 RL-5.0
033114-KN-E24A	Resample	Area 4	Steel Lintel	ND<0.0

Sample ID	Sample Location	Work Area	Material Description	Result (µg/100 cm <sup>2</sup> )
<b>122713-KN-25</b>	<b>North Wall Windows- East Side, Top Horizontal</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>5.3 RL-1.0</b>
033114-KN-E25A	Resample	Area 4	Steel Lintel	ND<0.0
<b>122713-KN-26</b>	<b>North Wall Windows- East Side, Top Horizontal</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>11 RL-5.0</b>
033114-KN-E26A	Resample	Area 4	Steel Lintel	ND<0.0
<b>122713-KN-27</b>	<b>North Wall Windows- East Side, Top Horizontal</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>6.0 RL-1.0</b>
033114-KN-E27A	Resample	Area 4	Steel Lintel	Destroyed in lab
<b>040214KN-E27B</b>	<b>Resample 2</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>1.4 RL-1.0</b>
<b>122713-KN-28</b>	<b>Resample 3</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>10.0 RL-1.0</b>
033114-KN-E28A	Resample 4	Area 4	Steel Lintel	ND<0.0
<b>122713-KN-29</b>	<b>North Wall Windows- East Side, Top Horizontal</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>2.3 RL-1.0</b>
033114-KN-E29A	Resample	Area 4	Steel Lintel	ND<0.0
<b>033114-KN-EDUPA</b>	<b>Duplicate</b>	<b>Area 4</b>	<b>Steel Lintel</b>	<b>2.8 RL-1.0</b>
051214-BG-E18-DUPC	Duplicate Resample	Area 4	Steel Lintel	ND<1.0
<b>020614-SV-01</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>4.2 RL-1.0</b>
033114-KN-S11A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-02</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>2.6 RL-1.0</b>
033114-KN-S12A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-03</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>1.9 RL-1.0</b>
<b>033114-KN-S13A</b>	<b>Resample</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>1.2 RL=1.0</b>
041014-SV-S13B	Resample-2	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-04</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>1.6 RL-1.0</b>
033114-KN-S14A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-05</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>9.4 RL-1.0</b>
<b>033114-KN-S15A</b>	<b>Resample</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>1.2 RL-1.0</b>
<b>041014-SV-S15B</b>	<b>Resample 2</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>1.2 RL-1.0</b>
051214-BG-S15C	Resample 3	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-06</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>3.7 RL-1.0</b>
033114-KN-S16A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-07</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>2.2 RL-1.0</b>



Sample ID	Sample Location	Work Area	Material Description	Result (µg/100 cm <sup>2</sup> )
033114-KN-S17A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-08</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>4.6 RL-1.0</b>
033114-KN-S18A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-09</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>1.8 RL-1.0</b>
033114-KN-S19A	Resample	Area 6	Steel Lintel	ND<1.0
020614-SV-10	South Wall Windows- East Side, Top Horizontal	Area 6	Steel Lintel	ND<1.0
020614-SV-11	South Wall Windows- East Side, Top Horizontal	Area 6	Steel Lintel	ND<1.0
020614-SV-12	South Wall Windows- East Side, Top Horizontal	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-13</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>3.5 RL-1.0</b>
033114-KN-S20A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-14</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>1.1 RL=1.0</b>
033114-KN-S21A	Resample	Area 6	Steel Lintel	ND<1.0
020614-SV-15	South Wall Windows- East Side, Top Horizontal	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-16</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>3.3 RL-1.0</b>
033114-KN-S22A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-17</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>3.1 RL-1.0</b>
033114-KN-S23A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-18</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>4.9 RL-1.0</b>
033114-KN-S24A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-19</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>2.7 RL-1.0</b>
033114-KN-S25A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-20</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>5.3 RL-1.0</b>
033114-KN-S26A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-21</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>2.6 RL-1.0</b>
033114-KN-S27A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-22</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>1.2 RL-1.0</b>
033114-KN-S28A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-23</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>6.4 RL-1.0</b>
<b>033114-KN-S29A</b>	<b>Resample</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>1.7 RL-1.0</b>

Sample ID	Sample Location	Work Area	Material Description	Result (µg/100 cm <sup>2</sup> )
<b>041014-SV-S-29B</b>	<b>Resample 2</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>4.3</b> <b>RL=1.0</b>
051214-BG-S29C	Resample 3	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-24</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>3.6</b> <b>RL-1.0</b>
033114-KN-S30A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-25</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>5.3</b> <b>RL-1.0</b>
033114-KN-S31A	Resample	Area 6	Steel Lintel	ND<1.0
<b>020614-SV-26</b>	<b>South Wall Windows- East Side, Top Horizontal</b>	<b>Area 6</b>	<b>Steel Lintel</b>	<b>3.0</b> <b>RL-1.0</b>
033114-KN-S32A	Resample	Area 6	Steel Lintel	ND<1.0
020614-SV-DUP1	South Wall Windows- East Side, Top Horizontal	Area 6	Steel Lintel	ND<1.0

ND = None Detected; RL = Reporting Limit

The analytical reports and sample locations for the Wipe Verification Sampling are provided in *Appendix D*.

### 3.3.3 Soil Verification Sampling

Soil verification sampling was performed in accordance with 40 CFR 761.61 Sub-part O. Four-point composite samples were collected approximately every 1.5 meters in a grid pattern. Results were compared to the clearance objective for unrestricted use of soil, ≤1 mg/kg using the extraction method 3540C and analysis method SW846 8082.

The results of the Soil Verification Sampling are described in **Table 3** below. Sample data that is in bold reflects sample results that exceeded the standard. Resampling data has been provided directly below samples that exceeded the standard. Reporting levels were observed below the standard for all samples unless noted in the table.

Please note that the depths (inches) reflect depth from grade surface after planned excavation to remove contaminated soil was completed, for example if a sample was collected at 4" and a resample at 12" then the resample was collected after the removal of 8" of contaminated soil):

**Table 3 – Soil Verification Sample Results**

Sample ID	Sample Location	Area	Material Description	Result (mg/kg)
<b>110713-SV-01</b>	<b>Cafeteria- West Side, 4"</b>	<b>15</b>	<b>Soil</b>	<b>ND&lt;3.7</b>
010914-SV-01A	12" - Resample	15	Soil	ND<0.41
110713-SV-02	Cafeteria- West Side, 4"	15	Soil	ND<0.39
<b>110713-SV-03</b>	<b>Cafeteria- West Side, 4"</b>	<b>15</b>	<b>Soil</b>	<b>ND&lt;3.7</b>
010914-SV-03A	12-16" - Resample	15	Soil	ND<0.41



Sample ID	Sample Location	Area	Material Description	Result (mg/kg)
110713-SV-04	Cafeteria- West Side, 4"	15	Soil	ND<0.37
<b>110713-SV-05</b>	<b>Cafeteria- West Side, 8"</b>	<b>15</b>	<b>Soil</b>	<b>ND&lt;18</b>
<b>010914-SV-05A</b>	<b>12" - Resample</b>	<b>15</b>	<b>Soil</b>	<b>1.2 RL-0.43</b>
011614-SV-05B	16" - Resample	15	Soil	ND<0.42
110713-SV-06	Cafeteria- West Side, 4"	15	Soil	ND<0.36
<b>110713-SV-07</b>	<b>Cafeteria- West Side, 4"</b>	<b>15</b>	<b>Soil</b>	<b>ND&lt;19</b>
010914-SV-07A	12" - Resample	15	Soil	ND<0.45
110713-SV-08	Cafeteria- West Side, 4"	15	Soil	ND<0.39
<b>110713-SV-09</b>	<b>Cafeteria- West Side, 4"-Matrix Spike</b>	<b>15</b>	<b>Soil</b>	<b>ND&lt;3.7</b>
010914-SV-09A	12" - Resample	15	Soil	ND<0.45
<b>110713-SV-10</b>	<b>Cafeteria- West Side</b>	<b>15</b>	<b>Soil</b>	<b>ND&lt;3.8*</b>
<b>110713-SV-11</b>	<b>Cafeteria- West Side, 4"</b>	<b>15</b>	<b>Soil</b>	<b>ND&lt;3.7</b>
010914-SV-11A	12" - Resample	15	Soil	ND<0.44
110713-SV-12	Cafeteria- West Side, 4"	15	Soil	ND<0.38
<b>110713-SV-13</b>	<b>Cafeteria- West Side, 4"</b>	<b>15</b>	<b>Soil</b>	<b>ND&lt;3.7</b>
010914-SV-13A	12" - Resample	15	Soil	ND<0.44
<b>110713-SV-14</b>	<b>Cafeteria- West Side, 4"</b>	<b>15</b>	<b>Soil</b>	<b>ND&lt;3.5</b>
010914-SV-14A	12" - Resample	15	Soil	ND<0.42
<b>110713-SV-15</b>	<b>Cafeteria- West Side, 4"</b>	<b>15</b>	<b>Soil</b>	<b>ND&lt;3.6</b>
010914-SV-15A	Cafeteria- West, (Area 15), 12" - Resample	15	Soil	ND<0.41
<b>110713-SV-16DUP</b>	<b>Cafeteria- West Side, 4"</b>	<b>15</b>	<b>Soil</b>	<b>ND&lt;3.9</b>
010914-SV-16A	Cafeteria- West, (Area 15), 12" - Resample	15	Soil	ND<0.45
032114-BG-01	Southside - South Building West (Area 10), 4"	10	Soil	ND<0.36
032114-BG-02	Southside - South Building West (Area 10), 4"	10	Soil	ND<0.37
032114-BG-03	Southside- South Building West (Area 10), 4"	10	Soil	ND<0.39
032114-BG-04	Southside - South Building West (Area 10), 4"	10	Soil	ND<0.42
032114-BG-05	Southside - South Building West (Area 10), 4"	10	Soil	ND<0.4
032114-BG-06	Southside - South Building West (Area 10), 4"	10	Soil	ND<0.43
032114-BG-07	Southside - South Building West (Area 10), 4"	10	Soil	ND<0.37
032114-BG-08	Southside - South Building West (Area 10), 4"	10	Soil	ND<0.39
032114-BG-09	Southside - South Building West (Area 10), 4"	10	Soil	ND<0.4
032114-BG-09DUP	Southside - South Building West (Area 10), 4" - Duplicate	10	Soil	ND<0.39
032114-BG-10	Southside - South Building West (Area 10), 4"	10	Soil	ND<0.37
032114-BG-11	Southside - South Building West (Area 10), 4"	10	Soil	ND<0.39
032114-BG-12	Southside - South Building West (Area 10), 4"	10	Soil	ND<0.38
032814-SV-01	South Wall - Main Building Depth 24"	6	Soil	ND<0.4
032814-SV-02	South Wall - Main Building Depth 24"	6	Soil	ND<0.4
032814-SV-03	South Wall - Main Building Depth 24"	6	Soil	ND<0.4
032814-SV-04	South Wall - Main Building Depth 24"	6	Soil	ND<0.41
<b>032814-SV-05</b>	<b>South Wall - Main Building Depth 8"</b>	<b>6</b>	<b>Soil</b>	<b>7.2 RL-2</b>

Sample ID	Sample Location	Area	Material Description	Result (mg/kg)
<b>041114-BG-SW5B</b>	<b>16"- Resample</b>	<b>6</b>	<b>Soil</b>	<b>1.2</b> <b>RL-0.36</b>
041714-BG-SW5C	32"-Resample	6	Soil	ND<0.39
<b>032814-SV-06</b>	<b>South Wall- Main Building Depth 8"</b>	<b>6</b>	<b>Soil</b>	<b>ND&lt;1.9</b>
<b>041114-BG-SW6B</b>	<b>16"- Resample</b>	<b>6</b>	<b>Soil</b>	<b>1.1</b> <b>RL-0.37</b>
041714-BG-SW6C	32" - Resample	6	Soil	ND<0.38
<b>032814-SV-07</b>	<b>South Wall- Main Building Depth 8"</b>	<b>6</b>	<b>Soil</b>	<b>1</b> <b>RL-0.36</b>
<b>041114-BG-SW7B</b>	<b>16"- Resample</b>	<b>6</b>	<b>Soil</b>	<b>1.7</b> <b>RL-0.4</b>
041714-BG-SW7C	32"-Resample	6	Soil	ND<0.39
032814-SV-08	South Wall- Main Building Depth 8"	6	Soil	0.92 RL-0.38
<b>032814-SV-09</b>	<b>8"- Resample</b>	<b>6</b>	<b>Soil</b>	<b>1.7</b> <b>RL-0.4</b>
041114-BG-SW9B	16"-Resample	6	Soil	0.5 RL-0.37
<b>032814-SV-10</b>	<b>South Wall- Main Building Depth 8"</b>	<b>6</b>	<b>Soil</b>	<b>18</b> <b>RL-3.8</b>
041114-BG-SW10B	16"-Resample	6	Soil	0.45 RL-0.36
<b>032814-SV-11</b>	<b>South Wall- Main Building Depth 8"</b>	<b>6</b>	<b>Soil</b>	<b>2.1</b> <b>RL-0.42</b>
041114-BG-SW11B	16"-Resample	6	Soil	0.68 RL-0.42
<b>032814-SV-12</b>	<b>South Wall- Main Building Depth 8"</b>	<b>6</b>	<b>Soil</b>	<b>1.2</b> <b>RL-0.4</b>
041114-BG-SW12B	16"-Resample	6	Soil	ND<0.37
<b>032814-SV-13</b>	<b>South Wall- Main Building Depth 8"</b>	<b>6</b>	<b>Soil</b>	<b>3.3</b> <b>RL-0.42</b>
<b>032814-SV-13D</b>	<b>South Wall- Main Building Depth 24"</b>	<b>6</b>	<b>Soil</b>	<b>5.3</b> <b>RL-2.1</b>
041114-BG-SW13B	32"-Resample	6	Soil	ND<0.4
041114-BG-SW13B DUP	32"-Duplicate	6	Soil	0.49 RL-0.4
<b>032814-SV-14</b>	<b>South Wall- Main Building Depth 8"</b>	<b>6</b>	<b>Soil</b>	<b>16</b> <b>RL-4</b>
041114-BG-SW14B	16"-Resample	6	Soil	0.53 RL-0.38
<b>032814-SV-15</b>	<b>South Wall- Main Building Depth 8"</b>	<b>6</b>	<b>Soil</b>	<b>3.1</b> <b>RL-2.1</b>

Sample ID	Sample Location	Area	Material Description	Result (mg/kg)
041114-BG-SW15B	16"-Resample	6	Soil	0.66 RL-0.38
<b>032814-SV-16</b>	<b>South Wall- Main Building Depth 8"</b>	<b>6</b>	<b>Soil</b>	<b>4.8</b> <b>RL-1.8</b>
041114-BG-SW16B	16"-Resample	6	Soil	ND<0.34
<b>032814-SV-17</b>	<b>South Wall- Main Building Depth 8"</b>	<b>6</b>	<b>Soil</b>	<b>1.2</b> <b>RL-0.35</b>
041114-BG-SW17B	16"-Resample	6	Soil	ND<0.34
<b>032814-SV-18</b>	<b>South Wall- Main Building Depth 8"</b>	<b>6</b>	<b>Soil</b>	<b>1.6</b> <b>RL-0.36</b>
041114-BG-SW18B	16"-Resample	6	Soil	ND<0.35
032814-SV-19	South Wall- Main Building Depth 8"	6	Soil	ND<0.36
032814-SV-20	South Wall- Main Building Depth 8"	Area 6	Soil	0.8 RL-0.36
032814-SV-21	South Wall- Main Building Depth 8"	6	Soil	ND<0.36
032814-SV-22	South Wall- Main Building Depth 8"	6	Soil	ND<0.35
040214-SV-01	<b>East Wall- Main Building Depth 24"</b>	5	Soil	ND<0.42
<b>040214-SV-02</b>	<b>East Wall- Main Building Depth 24"</b>	<b>5</b>	<b>Soil</b>	<b>1</b> <b>RL-0.43</b>
041114-BG-E2B	32"-Resample	Area 5	Soil	0.8 RL-0.37
<b>040214-SV-03</b>	<b>East Wall- Main Building Depth 24"</b>	<b>5</b>	<b>Soil</b>	<b>27</b> <b>RL-4</b>
041114-BG-E3B	32"-Resample	5	Soil	ND<0.4
040214-SV-04	East Wall- Main Building Depth 24"	5	Soil	ND<0.4
<b>040214-SV-05</b>	<b>East Wall- Main Building Depth 24"</b>	<b>5</b>	<b>Soil</b>	<b>2.5</b> <b>RL-0.42</b>
<b>041114-BG-E5B</b>	<b>32"-Resample</b>	<b>Area 5</b>	<b>Soil</b>	<b>1.5</b> <b>RL-0.42</b>
041714-BG-E5C	48"-Resample	5	Soil	ND<0.38
040214-SV-06	East Wall- Main Building Depth 24"	5	Soil	ND<0.4
<b>040214-SV-07</b>	<b>East Wall- Main Building Depth 24"</b>	<b>5</b>	<b>Soil</b>	<b>2.6</b> <b>RL-0.4</b>
041114-BG-E7B	Resample-32"	5	Soil	ND<0.39
040214-SV-08	East Wall- Main Building Depth 24"	5	Soil	ND<0.4
<b>040214-SV-09</b>	<b>East Wall- Main Building Depth 24"</b>	<b>5</b>	<b>Soil</b>	<b>2.1</b> <b>RL-0.42</b>
041114-BG-E9B	32"-Resample	5	Soil	0.42 RL-0.4
040214-SV-10	East Wall- Main Building Depth 24"	5	Soil	ND<0.39
040414-BG-01	South Wall- Main Building Excavation Extension, Depth 8"	6	Soil	ND<0.38

Sample ID	Sample Location	Area	Material Description	Result (mg/kg)
040414-BG-02	South Wall- Main Building Excavation Extension, Depth 8"	6	Soil	ND<0.38
040414-BG-03	South Wall- Main Building Excavation Extension, Depth 8"	6	Soil	ND<0.39
040414-BG-04	South Wall- Main Building Excavation Extension, Depth 8"	6	Soil	ND<0.38
040414-BG-05	South Wall- Main Building Excavation Extension, Depth 8"	6	Soil	ND<0.36
040414-BG-06	South Wall- Main Building Excavation Extension, Depth 8"	6	Soil	ND<0.35
040414-BG-07	South Wall- Main Building Excavation Extension, Depth 8"	6	Soil	ND<0.18
040714-SV-01	North Wall- Main Building Depth 24"	4	Soil	0.6 RL-0.42
040714-SV-02	North Wall- Main Building Depth 24"	4	Soil	ND<0.37
040714-SV-03	North Wall- Main Building Depth 24"	4	Soil	ND<0.36
040714-SV-04	North Wall- Main Building Depth 24"	4	Soil	ND<0.42
040714-SV-05	North Wall- Main Building Depth 24"	4	Soil	ND<0.38
040714-SV-06	North Wall- Main Building Depth 24"	4	Soil	ND<0.42
<b>040714-SV-07</b>	<b>North Wall- Main Building Depth 24"</b>	<b>4</b>	<b>Soil</b>	<b>1</b> <b>RL-0.4</b>
041014-SV-07A	32"-Resample	4	Soil	ND<0.37
040714-SV-08	North Wall- Main Building Depth 24"	4	Soil	ND<0.43
<b>040714-SV-09</b>	<b>North Wall- Main Building Depth 24"</b>	<b>Area 4</b>	<b>Soil</b>	<b>1.1</b> <b>RL-0.39</b>
041014-SV-09A	32"-Resample	4	Soil	ND<0.38
040714-SV-10	North Wall- Main Building Depth 24"	4	Soil	ND<0.38
040714-SV-11	North Wall- Main Building Depth 24"	4	Soil	ND<0.39
040714-SV-12	North Wall- Main Building Depth 24"	4	Soil	ND<0.38
040714-SV-13	North Wall- Main Building Depth 24"	4	Soil	ND<0.37
040714-SV-14	North Wall- Main Building Depth 24"	4	Soil	ND<0.39
040714-SV-15	North Wall- Main Building Depth 24"	Area 4	Soil	0.77 RL-0.38
040714-SV-16	North Wall- Main Building Depth 24"	4	Soil	ND<0.39
040714-SV-17	North Wall- Main Building Depth 24"	4	Soil	0.8 RL-0.4
040714-SV-18	North Wall- Main Building Depth 24"	4	Soil	ND<0.4
040714-SV-19	North Wall- Main Building Depth 24"	4	Soil	0.67 RL-0.4
040714-SV-20	North Wall- Main Building Depth 24"	4	Soil	ND<0.39
<b>040714-SV-21</b>	<b>North Wall- Main Building Depth 24"</b>	<b>4</b>	<b>Soil</b>	<b>1.4</b> <b>RL-0.42</b>
041014-SV-21A	32"- Resample	4	Soil	ND<0.38

Sample ID	Sample Location	Area	Material Description	Result (mg/kg)
040714-SV-22	North Wall- Main Building Depth 24"	4	Soil	ND<0.4
040714-SV-23	North Wall- Main Building Depth 24"	4	Soil	ND<0.37
040714-SV-24	North Wall- Main Building Depth 24"	4	Soil	ND<0.39
040714-SV-25	North Wall- Main Building Depth 24"	4	Soil	ND<0.38
040714-SV-26	North Wall- Main Building Depth 24"	4	Soil	ND<0.39
040714-SV-27	North Wall- Main Building Depth 24"	4	Soil	ND<0.39
040714-SV-28	North Wall- Main Building Depth 24"	4	Soil	ND<0.39
040714-SV-29	North Wall- Main Building Depth 24"	4	Soil	ND<0.4
<b>040714-SV-30</b>	<b>North Wall- Main Building Depth 24"</b>	<b>4</b>	<b>Soil</b>	<b>1.2</b> <b>RL-0.4</b>
041014-SV-30A	32"-Resample	4	Soil	ND<0.37

ND = None Detected; RL = Reporting Limit

\*Note sample 110713-SV-16DUP represents duplicate sample in sample 110713-SV-10 location, therefore sample 010914-SV-16A represents re-sample of this grid location.

The analytical reports for the Soil Verification Sampling and sample locations are provided in *Appendix D*

### 3.4 Post-Remediation Verification Sampling-SIDP Modification Scope

#### 3.4.1 Transformer Vault Soil Sampling

A 200 SF concrete pad associated with the former transformer vault was tested for PCBs due to evidence of visible oil staining. Two samples collected were reported by the laboratory with a PCB concentration (1.5 and 1.3 mg/kg). After the removal of the concrete pad as PCB Remediation Waste, the underlying soils were tested for PCBs for pre-characterization. Soil samples were collected approximately every 1.5 meters in a grid pattern. Results were compared to the unrestricted use of soil concentration of  $\leq 1$  mg/kg using the extraction method 3540C and analysis method SW846 8082.

The results of the Transformer Vault Soil Sampling are in Table 4.

**Table 4 – Transformer Vault Soil Sample Results**

Sample ID	Sample Location	Material	Results (mg/kg)
061314-BG-1A	Depth 4"	Soil	ND<0.43
061314-BG-2A	Depth 4"	Soil	ND<0.41
061314-BG-3A	Depth 4"	Soil	ND<0.41
061314-BG-4A	Depth 4"	Soil	ND<0.39
061314-BG-5A	Depth 4"	Soil	ND<0.42
061314-BG-6A	Depth 4"	Soil	ND<0.53

Sample ID	Sample Location	Material	Results (mg/kg)
061314-BG-7A	Depth 4"	Soil	ND<0.72
061314-BG-8A	Depth 4"	Soil	ND<0.69
061314-BG-9A	Depth 4"	Soil	ND<0.69
061314-BG-10A	Depth 4"	Soil	ND<0.53
061314-BG-1B	Depth 8"	Soil	ND<0.63
061314-BG-2B	Depth 8"	Soil	ND<0.58
061314-BG-3B	Depth 8"	Soil	ND<0.41
061314-BG-4B	Depth 8"	Soil	ND<0.57
061314-BG-5B	Depth 8"	Soil	ND<0.4
061314-BG-6B	Depth 8"	Soil	ND<0.66
061314-BG-7B	Depth 8"	Soil	ND<0.96
061314-BG-8B	Depth 8"	Soil	ND<0.73
061314-BG-9B	Depth 8"	Soil	ND<0.55
061314-BG-10B	Depth 8"	Soil	ND<0.43
1112BG-01	Excavated Soil Stockpile 5 point composite sample	Soil	ND<0.38

ND = None Detected

All samples were none detected for PCBs with reporting limits less than 1 mg/kg. The analytical reports and sampling locations for the Transformer Vault Soil Sampling are provided in *Appendix D*.

### 3.4.2 Former Hazardous Waste Storage Area (HWSA) Soil Sampling

A 150 SF concrete slab associated with the former hazardous materials storage room was tested for PCBs. The slab was tested due to the historical use of the room and evidence of visible oil staining. Three samples collected were reported with PCB concentrations below 1 mg/kg, but detected above laboratory reporting limits, demonstrating PCBs present.

After removal of the PCB contaminated concrete, soil samples were collected approximately every 1.5 meters in a grid pattern within the footprint and beyond the footprint to assess underlying soils and also to facilitate HWSA closure with the Connecticut Department of Environmental and Energy Protection (CTDEEP).

Results were compared to the unrestricted use of soil,  $\leq 1$  mg/kg using the extraction method 3540C and analysis method SW846 8082.

The results of the Former Hazardous Waste Storage Area Soil Verification Sampling are as follows:

**Table 5 – Former Hazardous Waste Storage Area Soil Verification Sample Results**

Grid Location	Sample ID	Sample Location	Material	Results (mg/kg)
1	061814-BG-1A	Sample depth 4"	Soil	ND<0.52
1	061814-BG-1B	Sample Depth 8"	Soil	NB<0.41
1	061814-BG-1C	Sample Depth 12"	Soil	ND<0.4
2	061814-BG-2A	Sample Depth 4"	Soil	ND<0.44
2	061814-BG-2B	Sample Depth 8"	Soil	ND<0.47
2	061814-BG-2C	Sample Depth 12"	Soil	ND<0.49
3	061814-BG-3A	Sample Depth 4"	Soil	ND<0.84
3	061814-BG-5B	Sample Depth 8"	Soil	ND<0.44
3	061814-BG-3C	Sample Depth 12"	Soil	ND<0.43
3-DUP	061814-BG-4C	Sample Depth 12"-Duplicate	Soil	ND<0.46
4	061814-BG-4A	Sample Depth 4"	Soil	ND<0.42
4	061814-BG-6B	Sample Depth 8"	Soil	ND<0.4
4	061814-BG-5C	Sample Depth 12"	Soil	ND<0.41
5	061814-BG-A5	Sample Depth 4"	Soil	ND<0.37
<b>5</b>	<b>061814-BG-7B</b>	<b>Sample Depth 8"</b>	<b>Soil</b>	<b>1</b> <b>RL- 0.35</b>
5WA	063014-BG-5WA	1.5 Meter Grid West of Grid 5. Sample Depth 4"	Soil	ND<0.52
5WB-DUP	063014-BG-5WB	1.5 Meter Grid West of Grid 5. Sample Depth 4"-Duplicate	Soil	ND<0.52
5WC	063014-BG-5WC	1.5 Meter Grid West of Grid 5. Sample Depth 8"	Soil	ND<0.54
5WD-DUP	063014-BG-5WD	1.5 Meter Grid West of Grid 5. Sample Depth 8"-Duplicate	Soil	ND<0.52
6	061814-BG-6A	Sample Depth 4"	Soil	ND<0.36
6	061814-BG-8B	Sample Depth 8"	Soil	ND<0.38
7	061814-BG-7A	Sample Depth 4"	Soil	ND<0.41
7	061814-BG-9B	Sample Depth 8"	Soil	ND<0.4
8	061814-BG-8A	Sample Depth 4"	Soil	ND<0.38
8	061814-BG-10B	Sample Depth 8"	Soil	ND<0.39
9	061814-BG-9A	Sample Depth 4"	Soil	ND<0.39
9-DUP	061814-BG-10A	Sample Depth 4"-Duplicate	Soil	ND<0.39
9	061814-BG-11B	Sample Depth 8"	Soil	ND<0.38
10	061814-BG-11A	Sample Depth 4"	Soil	ND<0.39
10	061814-BG-12B	Sample Depth 8"	Soil	ND<0.39
Waste Profile	062514-BG-01	Excavated Soil Stockpile 5 Point Composite Sample	Soil	ND<0.46

ND = None Detected; RL = Reporting Limit



The analytical reports for the Former Hazardous Waste Storage Area Soil Sampling and sample locations are provided in *Appendix D*. One sample was reported at 1 mg/kg. This area was further excavated as part of the former maintenance garage excavation and soils were removed at PCB Remediation Waste as discussed in the proceeding section.

### 3.4.3 Former Maintenance Garage Area Soil Sampling

The original concrete slab encountered beneath a later installed concrete slab was tested and identified to contain PCBs most likely due to historical use of the area as a maintenance garage. EnviroScience did not conduct this sampling. HRP Associates, Inc. (HRP) conducted the testing due to property transfer obligations between CREC and the previous Owner. Upon these findings HRP conducted sub slab soil sampling for several constituents of concern due to historical site use. A total of 17 samples were collected and included analysis for PCBs. All samples were reported none detected for PCBs.

After the complete removal of the PCB contaminated concrete slab, EnviroScience conducted soil pre-characterization sampling was performed in accordance with 40 CFR 761.61 Sub-part N. Soil samples were collected approximately every 3 meters as part of the initial assessment for the potential presence of PCBs due to the removal of PCB contaminated concrete slab (Refer to Table 6A for pre-characterization sample analyses). After identifying PCB concentrations, the entire area footprint was excavated approximately 1 foot below grade surface and post remediation verification soil samples were collected every 1.5 meters in a grid pattern in accordance with Sub-part O (Refer to Table 6B for post remediation verification sample analyses). Results were compared to the clearance objective for unrestricted use of soil,  $\leq 1$  mg/kg using the extraction method 3540C and analysis method SW846 8082.

The results of the former Maintenance Garage Area Soil Verification Sampling are as follows:

**Table 6A – Former Maintenance Garage Area 3 Meter Soil Pre-Characterization Sample Results**

Grid Location	Sample ID	Sample Location	Material	Results (mg/kg)
A1	070114-BG-A1	Depth 4"	Soil	ND<0.49
A2	070114-BG-A2	Depth 4"	Soil	ND<0.41
<b>A3</b>	<b>070114-BG-A3</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>2.1</b> <b>RL- 1.7</b>
A4	070114-BG-A4	Depth 4"	Soil	ND<0.61
A5	070114-BG-A5	Depth 4"	Soil	ND<0.4
A6	070114-BG-A6	Depth 4"	Soil	ND<0.33
B1	070114-BG-B1	Depth 4"	Soil	ND<0.33
B2	070114-BG-B2	Depth 4"	Soil	ND<0.5
B3	070114-BG-B3	Depth 4"	Soil	ND<0.41
<b>B4</b>	<b>070114-BG-B4</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>1</b> <b>RL- 0.41</b>



Grid Location	Sample ID	Sample Location	Material	Results (mg/kg)
B5	070114-BG-B5	Depth 4"	Soil	ND<0.33
B6	070114-BG-B6	Depth 4"	Soil	ND<0.33
C1	070114-BG-C1	Depth 4"	Soil	ND<0.33
C2	070114-BG-C2	Depth 4"	Soil	ND<0.33
C3	070114-BG-C3	Depth 4"	Soil	ND<0.49
C4	070114-BG-C4	Depth 4"	Soil	ND<0.48
<b>C5</b>	<b>070114-BG-C5</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>1.2</b> <b>RL- 0.45</b>
C6	070114-BG-C6	Depth 4"	Soil	ND<0.44
D1	070114-BG-D1	Depth 4"	Soil	ND<0.49
D2	070114-BG-D2	Depth 4"	Soil	ND<0.4
D2-DUP	070114-BG-D2A	Depth 4"-Duplicate	Soil	ND<0.62
D3	070114-BG-D3	Depth 4"	Soil	ND<0.71
<b>D4</b>	<b>070114-BG-D4</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>0.76</b> <b>RL- 0.33</b>
D5	070114-BG-D5	Depth 4"	Soil	ND<0.71
<b>D6</b>	<b>070114-BG-D6</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>0.93</b> <b>RL- 0.33</b>
E1	070114-BG-E1	Depth 4"	Soil	ND<0.33
E2	070114-BG-E2	Depth 4"	Soil	ND<0.33
E3	070114-BG-E3	Depth 4"	Soil	ND<0.33
<b>E4</b>	<b>070114-BG-E4</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>1.1</b> <b>RL- 0.33</b>
E5	070114-BG-E5	Depth 4"	Soil	0.98 RL- 0.82
<b>E6</b>	<b>070114-BG-E6</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>0.34</b> <b>RL- 0.33</b>
F1	070114-BG-F1	Depth 4"	Soil	ND<0.33
F2	070114-BG-F2	Depth 4"	Soil	ND<0.33
<b>F3</b>	<b>070114-BG-F3</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>0.37</b> <b>RL- 0.33</b>
<b>F4</b>	<b>070114-BG-F4</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>0.95</b> <b>RL- 0.33</b>
<b>F5</b>	<b>070114-BG-F5</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>0.96</b> <b>RL- 0.41</b>
F6	070114-BG-F6	Depth 4"	Soil	ND<0.33
G1	070114-BG-G1	Depth 4"	Soil	ND<0.33
G2	070114-BG-G2	Depth 4"	Soil	ND<0.4
G3	070114-BG-G3	Depth 4"	Soil	ND<0.7
G4	070114-BG-G4	Depth 4"	Soil	ND<0.33
G4-DUP	070114-BG-G4A	Depth 4"-Duplicate	Soil	ND<0.38

Grid Location	Sample ID	Sample Location	Material	Results (mg/kg)
H1	070114-BG-I1	Depth 4"	Soil	ND<0.33
H2	070114-BG-H2	Depth 4"	Soil	ND<0.33
H3	070114-BG-H3	Depth 4"	Soil	ND<0.33
H4	070114-BG-H4	Depth 4"	Soil	ND<0.35
I1	070114-BG-I1	Depth 4"	Soil	ND<0.33
I2	070114-BG-I2	Depth 4"	Soil	ND<0.33
I3	070114-BG-I3	Depth 4"	Soil	ND<0.54
<b>I4</b>	<b>070114-BG-I4</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>0.37</b> <b>RL- 0.37</b>
I5	070114-BG-I5	Depth 4"	Soil	ND<0.33
J1	070114-BG-J1	Depth 4"	Soil	ND<0.33
J2	070114-BG-J2	Depth 4"	Soil	ND<0.32
<b>J3</b>	<b>070114-BG-J3</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>0.35</b> <b>RL- 0.33</b>
<b>J4</b>	<b>070114-BG-J4</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>1.4</b> <b>RL- 0.33</b>
J5	070114-BG-J5	Depth 4"	Soil	ND<0.33
J6	070114-BG-J6	Depth 4"	Soil	ND<0.33
K1	070114-BG-K1	Depth 4"	Soil	ND<0.33
<b>K2</b>	<b>070114-BG-K2</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>0.45</b> <b>RL- 0.32</b>
<b>K3</b>	<b>070114-BG-K3</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>1.1</b> <b>RL- 0.33</b>
<b>K4</b>	<b>070114-BG-K4</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>0.85</b> <b>RL- 0.33</b>
K5	070114-BG-K5	Depth 4"	Soil	ND<0.33
K5-DUP	070114-BG-K5A	Depth 4"-Duplicate	Soil	ND<0.33
K6	070114-BG-K6	Depth 4"	Soil	ND<0.33
L1	070114-BG-L1	Depth 4"	Soil	ND<0.32
L2	070114-BG-L2	Depth 4"	Soil	ND<0.33
<b>L3</b>	<b>070114-BG-L3</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>2.2</b> <b>RL- 0.97</b>
<b>L4</b>	<b>070114-BG-L4</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>1.4</b> <b>RL- 0.33</b>
L5	070114-BG-L5	Depth 4"	Soil	ND<0.32
L6	070114-BG-L6	Depth 4"	Soil	ND<0.33
M1	070114-BG-M1	Depth 4"	Soil	ND<0.36
<b>M2</b>	<b>070114-BG-M2</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>0.35</b> <b>RL- 0.33</b>
<b>M3</b>	<b>070114-BG-M3</b>	<b>Depth 4"</b>	<b>Soil</b>	<b>1.2</b> <b>RL- 0.33</b>

Grid Location	Sample ID	Sample Location	Material	Results (mg/kg)
M4	070114-BG-M4	Depth 4"	Soil	2.6 RL- 0.33
M5	070114-BG-M5	Depth 4"	Soil	1.2 RL- 0.33
M6	070114-BG-M6	Depth 4"	Soil	ND<0.32

ND = None Detected; RL = Reporting Limit

The soil analytical reports for the three meter sampling grid at the Former Maintenance Garage Area and sampling locations are provided in *Appendix D*.

**Table 6B – Former Maintenance Garage 1.5 Meter Soil Post Remediation Verification Sample Results**

Grid Location	Sample ID	Sample Location	Excavated Depth	Material	Results (mg/kg)
A1	Garage Area- BG-A1	Depth 4"	Depth 12"	Soil	ND<0.43
A2	Garage Area- BG-A2	Depth 4"	Depth 12"	Soil	ND<0.29
A3	Garage Area- BG-A3	Depth 4"	Depth 12"	Soil	ND<0.4
A4	Garage Area- BG-A4	Depth 4"	Depth 12"	Soil	ND<0.4
A5	Garage Area- BG-A5	Depth 4"	Depth 12"	Soil	ND<0.39
A6	Garage Area- BG-A6	Depth 4"	Depth 12"	Soil	ND<0.39
A7	Garage Area- BG-A7	Depth 4"	Depth 12"	Soil	ND<0.39
A8	20140801-KR A8	Depth 4"	Depth 12"	Soil	ND<0.4
A9	20140801-KR A9	Depth 4"	Depth 12"	Soil	ND<0.39
A10	KR-A10	Depth 4"	Depth 12"	Soil	ND<0.39
A11	KR-A11	Depth 4"	Depth 12"	Soil	ND<0.36
A12	KR-A12	Depth 4"	Depth 12"	Soil	0.9 RL- 0.36
A12	081514-KN-02-A12	Depth 4" Resample	Depth 24"	Soil	ND<0.4
A13	KR-A13	Depth 4"	Depth 12"	Soil	ND<0.36
B1	Garage Area- BG-B1	Depth 4"	Depth 12"	Soil	ND<0.38
B2	Garage Area- BG-B2	Depth 4"	Depth 12"	Soil	ND<0.4
B3	Garage Area- BG-B3	Depth 4"	Depth 12"	Soil	ND<0.41
B4	Garage Area- BG-B4	Depth 4"	Depth 12"	Soil	ND<0.43
B5	Garage Area- BG-B5	Depth 4"	Depth 12"	Soil	ND<0.36
B6	Garage Area- BG-B6	Depth 4"	Depth 12"	Soil	ND<0.37
B7	Garage Area- BG-B7	Depth 4"	Depth 12"	Soil	ND<0.39
B7-DUP	Garage Area- BG-B7B	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.36
B8	20140801-KR B8	Depth 4"	Depth 12"	Soil	0.44 RL- 0.35

Grid Location	Sample ID	Sample Location	Excavated Depth	Material	Results (mg/kg)
B8	081514-KN-01-B8	Depth 4" Resample	Depth 24"	Soil	ND<0.43
B9	20140801-KR B9	Depth 4"	Depth 12"	Soil	ND<0.38
B10	KR-B10	Depth 4"	Depth 12"	Soil	ND<0.42
B11	KR-B11	Depth 4"	Depth 12"	Soil	ND<0.36
B12	KR-B12	Depth 4"	Depth 12"	Soil	ND<0.43
B13	KR-B13	Depth 4"	Depth 12"	Soil	ND<0.42
C1	Garage Area- BG-C1	Depth 4"	Depth 12"	Soil	0.62 RL- 0.36
<b>C1</b>	<b>KR-C1</b>	<b>Depth 4"</b>	<b>Depth 18"</b>	<b>Soil</b>	<b>2.7 RL- 1.7</b>
C1	081214-BG-C1	Depth 4" Resample	Depth 30"	Soil	ND<0.41
C2	Garage Area- BG-C2	Depth 4"	Depth 12"	Soil	ND<0.36
C3	Garage Area- BG-C3	Depth 4"	Depth 12"	Soil	ND<0.4
C4	Garage Area- BG-C4	Depth 4"	Depth 12"	Soil	ND<0.39
C5	Garage Area- BG-C5	Depth 4"	Depth 12"	Soil	ND<0.38
C6	Garage Area- BG-C6	Depth 4"	Depth 12"	Soil	ND<0.37
C7	Garage Area- BG-C7	Depth 4"	Depth 12"	Soil	ND<0.34
C8	20140801-KR C8	Depth 4"	Depth 12"	Soil	ND<0.37
C9	20140801-KR C9	Depth 4"	Depth 12"	Soil	ND<0.35
C10	KR-C10	Depth 4"	Depth 12"	Soil	ND<0.36
C11	KR-C11	Depth 4"	Depth 12"	Soil	ND<0.4
C12	KR-C12	Depth 4"	Depth 12"	Soil	ND<0.42
<b>C13</b>	<b>KR-C13</b>	<b>Depth 4"</b>	<b>Depth 12"</b>	<b>Soil</b>	<b>1.5 RL- 0.35</b>
C13	081514-KN-03-C13	Depth 4" Resample	Depth 24"	Soil	0.4 RL- 0.4
D1	Garage Area-BG-D1A	Depth 4"	Depth 12"	Soil	ND<0.35
D1-DUP	Garage Area-BG-D1B	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.38
D2	Garage Area- BG-D2	Depth 4"	Depth 12"	Soil	ND<0.37
D3	Garage Area- BG-D3	Depth 4"	Depth 12"	Soil	ND<0.39
D4	Garage Area- BG-D4	Depth 4"	Depth 12"	Soil	ND<0.36
D5	Garage Area- BG-D5	Depth 4"	Depth 12"	Soil	ND<0.36
D6	Garage Area- BG-D6	Depth 4"	Depth 12"	Soil	ND<0.41
D7	Garage Area- BG-D7	Depth 4"	Depth 12"	Soil	ND<0.4
D8	20140801-KR D8	Depth 4"	Depth 12"	Soil	ND<0.38
D9	20140801-KR D9	Depth 4"	Depth 12"	Soil	0.7 RL- 0.37
D9	081514-KN-04-D9	Depth 4" Resample	Depth 24"	Soil	ND<0.45
D10	KR-D10	Depth 4"	Depth 12"	Soil	ND<0.36

Grid Location	Sample ID	Sample Location	Excavated Depth	Material	Results (mg/kg)
D11	KR-D11	Depth 4"	Depth 12"	Soil	ND<0.38
D12	KR-D12	Depth 4"	Depth 12"	Soil	ND<0.4
D13	KR-D13	Depth 4"	Depth 12"	Soil	ND<0.37
E1	Garage Area- BG-E1	Depth 4"	Depth 12"	Soil	ND<0.37
E2	Garage Area- BG-E2	Depth 4"	Depth 12"	Soil	ND<0.35
E3	Garage Area- BG-E3	Depth 4"	Depth 12"	Soil	0.49 RL- 0.35
E3	KR-E3	Depth 4" Resample	Depth 18"	Soil	ND<0.38
E4	Garage Area- BG-E4	Depth 4"	Depth 12"	Soil	ND<0.43
E5	Garage Area- BG-E5	Depth 4"	Depth 12"	Soil	ND<0.35
E6	Garage Area- BG-E6	Depth 4"	Depth 12"	Soil	ND<0.37
E7	Garage Area- BG-E7	Depth 4"	Depth 12"	Soil	ND<0.39
E8	20140801-KR E8A	Depth 4"	Depth 12"	Soil	ND<0.38
E8-DUP	20140801-KR E8B	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.38
E9	20140801-KR E9	Depth 4"	Depth 12"	Soil	ND<0.36
E10	KR-E10	Depth 4"	Depth 12"	Soil	ND<0.39
E11	KR-E11	Depth 4"	Depth 12"	Soil	ND<0.38
E12	KR-E12	Depth 4"	Depth 12"	Soil	ND<0.4
E13	KR-E13	Depth 4"	Depth 12"	Soil	ND<0.37
F1	Garage Area- BG-F1	Depth 4"	Depth 12"	Soil	ND<0.4
F2	Garage Area- BG-F2	Depth 4"	Depth 12"	Soil	ND<0.37
F3	Garage Area- BG-F3	Depth 4"	Depth 12"	Soil	ND<0.38
F4	Garage Area- BG-F4	Depth 4"	Depth 12"	Soil	ND<0.37
F5	Garage Area- BG-F5	Depth 4"	Depth 12"	Soil	ND<0.39
F6	Garage Area- BG-F6	Depth 4"	Depth 12"	Soil	ND<0.36
F7	Garage Area- BG-F7	Depth 4"	Depth 12"	Soil	ND<0.44
F8	20140801-KR F8	Depth 4"	Depth 12"	Soil	ND<0.38
F9	20140801-KR F9	Depth 4"	Depth 12"	Soil	ND<0.38
F10	KR-F10	Depth 4"	Depth 12"	Soil	ND<0.37
F11	KR-F11	Depth 4"	Depth 12"	Soil	ND<0.41
F12	KR-F12	Depth 4"	Depth 12"	Soil	ND<0.38
F13	KR-F13	Depth 4"	Depth 12"	Soil	ND<0.37
G1	Garage Area- BG-G1	Depth 4"	Depth 12"	Soil	ND<0.35
G2	Garage Area- BG-G2A	Depth 4"	Depth 12"	Soil	ND<0.41
G2-DUP	Garage Area- BG-G2B	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.43
G3	Garage Area- BG-G3	Depth 4"	Depth 12"	Soil	ND<0.41
G4	Garage Area- BG-G4	Depth 4"	Depth 12"	Soil	ND<0.37
G5	Garage Area- BG-G5	Depth 4"	Depth 12"	Soil	ND<0.37

Grid Location	Sample ID	Sample Location	Excavated Depth	Material	Results (mg/kg)
G6	Garage Area- BG-G6	Depth 4"	Depth 12"	Soil	ND<0.36
G7	Garage Area- BG-G7	Depth 4"	Depth 12"	Soil	ND<0.37
G8	20140801-KR G8	Depth 4"	Depth 12"	Soil	ND<0.37
G9	20140801-KR G9	Depth 4"	Depth 12"	Soil	ND<0.4
G10	KR-G10	Depth 4"	Depth 12"	Soil	ND<0.36
G11	KR-G11	Depth 4"	Depth 12"	Soil	ND<0.35
G12	KR-G12	Depth 4"	Depth 12"	Soil	ND<0.39
G13	KR-G13	Depth 4"	Depth 12"	Soil	ND<0.37
H1	Garage Area- BG-H1	Depth 4"	Depth 12"	Soil	ND<0.31
H2	Garage Area- BG-H2	Depth 4"	Depth 12"	Soil	0.76 RL- 0.36
H2	KR-H2	Depth 4" Resample	Depth 18"	Soil	ND<0.4
H3	Garage Area- BG-H3	Depth 4"	Depth 12"	Soil	ND<0.4
H4	Garage Area- BG-H4	Depth 4"	Depth 12"	Soil	ND<0.39
H5	Garage Area- BG-H5	Depth 4"	Depth 12"	Soil	ND<0.41
H6	Garage Area- BG-H6	Depth 4"	Depth 12"	Soil	ND<0.38
H7	Garage Area- BG-H7	Depth 4"	Depth 12"	Soil	ND<0.39
H8	20140801-KR H8	Depth 4"	Depth 12"	Soil	ND<0.38
H9	20140801-KR H9A	Depth 4"	Depth 12"	Soil	ND<0.37
H9-DUP	20140801-KR H9B	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.37
H10	KR-H10	Depth 4"	Depth 12"	Soil	ND<0.41
H11	KR-H11	Depth 4"	Depth 12"	Soil	ND<0.41
H12	KR-H12	Depth 4"	Depth 12"	Soil	ND<0.38
H13	KR-H13	Depth 4"	Depth 12"	Soil	ND<0.35
I1	Garage Area- BG-I1	Depth 4"	Depth 12"	Soil	ND<0.34
I2	Garage Area- BG-I2	Depth 4"	Depth 12"	Soil	ND<0.34
I3	Garage Area- BG-I3	Depth 4"	Depth 12"	Soil	ND<0.34
I4	Garage Area- BG-I4	Depth 4"	Depth 12"	Soil	0.43 RL- 0.36
I4	KR-I4	Depth 4"- Resample	Depth 18"	Soil	ND<0.37
I5	Garage Area- BG-I5	Depth 4"	Depth 12"	Soil	ND<0.4
I6	Garage Area- BG-I6	Depth 4"	Depth 12"	Soil	ND<0.38
I7	Garage Area- BG-I7	Depth 4"	Depth 12"	Soil	ND<0.37
I8	20140801-KR I8	Depth 4"	Depth 12"	Soil	ND<0.37
I9	20140801-KR I9	Depth 4"	Depth 12"	Soil	ND<0.37
I10	KR-I10	Depth 4"	Depth 12"	Soil	ND<0.36
I11	KR-I11	Depth 4"	Depth 12"	Soil	ND<0.36
I12	KR-I12	Depth 4"	Depth 12"	Soil	ND<0.36



Grid Location	Sample ID	Sample Location	Excavated Depth	Material	Results (mg/kg)
I13	KR-I13	Depth 4"	Depth 12"	Soil	ND<0.37
J1	Garage Area- BG-J1	Depth 4"	Depth 12"	Soil	ND<0.34
J2	Garage Area- BG-J2	Depth 4"	Depth 12"	Soil	ND<0.34
J3	Garage Area- BG-J3A	Depth 4"	Depth 12"	Soil	ND<0.39
J3-DUP	Garage Area- BG-J3B	Depth 4"	Depth 12"	Soil	ND<0.38
J4	Garage Area- BG-J4	Depth 4"	Depth 12"	Soil	ND<0.38
J5	Garage Area- BG-J5	Depth 4"	Depth 12"	Soil	0.39 RL- 0.37
J5	KR-J5	Depth 4"- Resample	Depth 18"	Soil	ND<0.38
J6	Garage Area- BG-J6	Depth 4"	Depth 12"	Soil	ND<0.41
<b>J7</b>	<b>Garage Area- BG-J7</b>	<b>Depth 4"</b>	<b>Depth 12"</b>	<b>Soil</b>	<b>1.6 RL= 0.36</b>
J7	KR-J7	Depth 4"- Resample	Depth 18"	Soil	ND<0.36
J8	20140801-KR J8	Depth 4"	Depth 12"	Soil	0.72 RL- 0.36
J8	081514-KN-05-J8	Depth 4"- Resample	Depth 24"	Soil	ND<0.39
J9	20140801-KR J9	Depth 4"	Depth 12"	Soil	ND<0.36
J10	KR-J10	Depth 4"	Depth 12"	Soil	ND<0.36
J11	KR-J11	Depth 4"	Depth 12"	Soil	ND<0.36
J12	KR-J12	Depth 4"	Depth 12"	Soil	0.52 RL- 0.38
J12	081514-KN-06-J12	Depth 4" Resample	Depth 24"	Soil	ND<0.41
<b>J13</b>	<b>KR-J13</b>	<b>Depth 4"</b>	<b>Depth 12"</b>	<b>Soil</b>	<b>1.8 RL- 0.36</b>
J13	081514-KN-07-J13	Depth 4"- Resample	Depth 24"	Soil	ND<0.42
K1	Garage Area- BG-K1	Depth 4"	Depth 12"	Soil	ND<0.34
K2	Garage Area- BG-K2	Depth 4"	Depth 12"	Soil	ND<0.32
K3	Garage Area- BG-K3	Depth 4"	Depth 12"	Soil	ND<0.34
K4	Garage Area- BG-K4	Depth 4"	Depth 12"	Soil	ND<0.42
K5	Garage Area- BG-K5	Depth 4"	Depth 12"	Soil	ND<0.37
K6	Garage Area- BG-K6	Depth 4"	Depth 12"	Soil	ND<0.38
K7	Garage Area- BG-K7	Depth 4"	Depth 12"	Soil	ND<0.39
K8	20140801-KR K8	Depth 4"	Depth 12"	Soil	ND<0.35
K9	20140801-KR K9	Depth 4"	Depth 12"	Soil	ND<0.35
K10	KR-K10A	Depth 4"	Depth 12"	Soil	ND<0.39
K10-DUP	KR-K10B	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.37
K11	KR-K11	Depth 4"	Depth 12"	Soil	ND<0.37

Grid Location	Sample ID	Sample Location	Excavated Depth	Material	Results (mg/kg)
K12	KR-K12	Depth 4"	Depth 12"	Soil	ND<0.37
K13	KR-K13	Depth 4"	Depth 12"	Soil	ND<0.35
L1	Garage Area- BG-L1	Depth 4"	Depth 12"	Soil	ND<0.34
L2	Garage Area- BG-L2	Depth 4"	Depth 12"	Soil	ND<0.34
L3	Garage Area- BG-L3	Depth 4"	Depth 12"	Soil	0.47 RL- 0.37
L3	KR-L3	Depth 4"- Resample	Depth 18"	Soil	ND<0.36
L4	Garage Area- BG-L4	Depth 4"	Depth 12"	Soil	ND<0.43
L5	Garage Area- BG-L5	Depth 4"	Depth 12"	Soil	ND<0.34
L6	Garage Area- BG-L6	Depth 4"	Depth 12"	Soil	ND<0.4
L7	Garage Area- BG-L7	Depth 4"	Depth 12"	Soil	ND<0.4
L8	20140801-KR L8	Depth 4"	Depth 12"	Soil	ND<0.37
L9	20140801-KR L9	Depth 4"	Depth 12"	Soil	ND<0.36
L10	KR-L10	Depth 4"	Depth 12"	Soil	ND<0.37
L11	KR-L11	Depth 4"	Depth 12"	Soil	ND<0.36
L12	KR-L12	Depth 4"	Depth 12"	Soil	ND<0.36
<b>L13</b>	<b>KR-L13</b>	<b>Depth 4"</b>	<b>Depth 12"</b>	<b>Soil</b>	<b>3.2 RL- 0.36</b>
L13	081514-KN-08-L13	Depth 4"- Resample	Depth 24"	Soil	0.45 RL- 0.4
M1	Garage Area- BG-M1	Depth 4"	Depth 12"	Soil	ND<0.34
M2	Garage Area- BG-M2	Depth 4"	Depth 12"	Soil	ND<0.34
M3	Garage Area- BG-M3	Depth 4"	Depth 12"	Soil	ND<0.38
M4	Garage Area- BG-M4B	Depth 4"	Depth 12"	Soil	ND<0.35
M4-DUP	Garage Area- BG-M4A	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.34
M5	Garage Area- BG-M5	Depth 4"	Depth 12"	Soil	ND<0.43
M6	Garage Area- BG-M6	Depth 4"	Depth 12"	Soil	ND<0.4
M7	Garage Area- BG-M7	Depth 4"	Depth 12"	Soil	ND<0.39
M8	20140801-KR M8	Depth 4"	Depth 12"	Soil	ND<0.37
M9	20140801-KR M9	Depth 4"	Depth 12"	Soil	ND<0.37
M10	KR-M10	Depth 4"	Depth 12"	Soil	0.54 RL- 0.38
M10	081514-KN-09-M10	Depth 4"- Resample	Depth 24"	Soil	ND<0.38
M11	KR-M11	Depth 4"	Depth 12"	Soil	ND<0.36
M12	KR-M12	Depth 4"	Depth 12"	Soil	ND<0.38
M13	KR-M13	Depth 4"	Depth 12"	Soil	ND<0.37
N1	Garage Area- BG-N1	Depth 4"	Depth 12"	Soil	ND<0.34

Grid Location	Sample ID	Sample Location	Excavated Depth	Material	Results (mg/kg)
N2	Garage Area- BG-N2	Depth 4"	Depth 12"	Soil	ND<0.34
N3	Garage Area- BG-N3	Depth 4"	Depth 12"	Soil	ND<0.35
N4	Garage Area- BG-N4	Depth 4"	Depth 12"	Soil	ND<0.42
N5	Garage Area- BG-N5	Depth 4"	Depth 12"	Soil	ND<0.36
N6	Garage Area- BG-N6	Depth 4"	Depth 12"	Soil	ND<0.36
N7	Garage Area- BG-N7	Depth 4"	Depth 12"	Soil	ND<0.38
N8	20140801-KR N8	Depth 4"	Depth 12"	Soil	ND<0.39
N9	20140801-KR N9	Depth 4"	Depth 12"	Soil	ND<0.39
N10	KR-N10	Depth 4"	Depth 12"	Soil	ND<0.39
N11	KR-N11A	Depth 4"	Depth 12"	Soil	ND<0.36
N11-DUP	KR-N11B	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.36
O1	Garage Area- BG-O1	Depth 4"	Depth 12"	Soil	ND<0.34
O2	Garage Area- BG-O2	Depth 4"	Depth 12"	Soil	ND<0.36
O3	Garage Area- BG-O3	Depth 4"	Depth 12"	Soil	ND<0.36
O4	Garage Area- BG-O4	Depth 4"	Depth 12"	Soil	ND<0.39
O5	Garage Area- BG-O5	Depth 4"	Depth 12"	Soil	ND<0.37
O6	Garage Area- BG-O6	Depth 4"	Depth 12"	Soil	ND<0.38
O7	Garage Area- BG-O7	Depth 4"	Depth 12"	Soil	ND<0.37
O8	20140801-KR O8	Depth 4"	Depth 12"	Soil	ND<0.38
O9	20140801-KR O9	Depth 4"	Depth 12"	Soil	ND<0.37
O10	KR-O10	Depth 4"	Depth 12"	Soil	ND<0.36
O11	KR-O11	Depth 4"	Depth 12"	Soil	ND<0.37
P1	Garage Area- BG-P1	Depth 4"	Depth 12"	Soil	ND<0.33
P2	Garage Area- BG-P2	Depth 4"	Depth 12"	Soil	ND<0.35
P3	Garage Area- BG-P3	Depth 4"	Depth 12"	Soil	ND<0.38
P4	Garage Area- BG-P4	Depth 4"	Depth 12"	Soil	ND<0.43
P5	Garage Area- BG-P5	Depth 4"	Depth 12"	Soil	ND<0.4
P6	Garage Area- BG-P6	Depth 4"	Depth 12"	Soil	ND<0.41
P7	Garage Area- BG-P7	Depth 4"	Depth 12"	Soil	ND<0.37
P8	20140801-KR P8	Depth 4"	Depth 12"	Soil	ND<0.4
P9	20140801-KR P9A	Depth 4"	Depth 12"	Soil	ND<0.37
P9-DUP	20140801-KR P9B	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.37
P10	KR-P10	Depth 4"	Depth 12"	Soil	ND<0.37
P11	KR-P11	Depth 4"	Depth 12"	Soil	ND<0.38

Grid Location	Sample ID	Sample Location	Excavated Depth	Material	Results (mg/kg)
Q1	Garage Area- BG-Q1	Depth 4"	Depth 12"	Soil	ND<0.36
Q2	Garage Area- BG-Q2	Depth 4"	Depth 12"	Soil	ND<0.38
Q3	Garage Area- BG-Q3	Depth 4"	Depth 12"	Soil	ND<0.37
Q4	Garage Area- BG-Q4	Depth 4"	Depth 12"	Soil	ND<0.37
Q5	Garage Area- BG-Q5	Depth 4"	Depth 12"	Soil	ND<0.34
Q6	Garage Area- BG-Q6	Depth 4"	Depth 12"	Soil	ND<0.36
Q7	Garage Area- BG-Q7	Depth 4"	Depth 12"	Soil	ND<0.38
Q8	20140801-KR Q8	Depth 4"	Depth 12"	Soil	ND<0.36
Q9	20140801-KR Q9	Depth 4"	Depth 12"	Soil	ND<0.36
Q10	KR-Q10	Depth 4"	Depth 12"	Soil	ND<0.37
Q11	KR-Q11	Depth 4"	Depth 12"	Soil	ND<0.4
Q12	KR-Q12	Depth 4"	Depth 12"	Soil	ND<0.36
Q13	KR-Q13	Depth 4"	Depth 12"	Soil	ND<0.36
R1	Garage Area- BG-R1	Depth 4"	Depth 12"	Soil	ND<0.35
R2	Garage Area- BG-R2	Depth 4"	Depth 12"	Soil	ND<0.36
R3	Garage Area- BG-R3	Depth 4"	Depth 12"	Soil	ND<0.36
R4	Garage Area- BG-R4	Depth 4"	Depth 12"	Soil	ND<0.36
R5	Garage Area- BG-R5	Depth 4"	Depth 12"	Soil	ND<0.42
R6	Garage Area- BG-R6	Depth 4"	Depth 12"	Soil	ND<0.36
R7	Garage Area- BG-R7	Depth 4"	Depth 12"	Soil	ND<0.36
R8	20140801-KR R8	Depth 4"	Depth 12"	Soil	ND<0.45
R9	20140801-KR R9	Depth 4"	Depth 12"	Soil	ND<0.36
R10	KR-R10	Depth 4"	Depth 12"	Soil	ND<0.36
R11	KR-R11	Depth 4"	Depth 12"	Soil	0.74 RL- 0.36
R11	081514-KN-10-R11	Depth 4" Resample	Depth 24"	Soil	ND<0.45
R12	KR-R12	Depth 4"	Depth 12"	Soil	0.65 RL- 0.37
R12	081514-KN-11-R12	Depth 4" Resample	Depth 24"	Soil	ND<0.39
R13	KR-R13	Depth 4"	Depth 12"	Soil	ND<0.36
S1	Garage Area- BG-S1	Depth 4"	Depth 12"	Soil	ND<0.35
S2	Garage Area- BG-S2	Depth 4"	Depth 12"	Soil	ND<0.36
S3	Garage Area- BG-S3	Depth 4"	Depth 12"	Soil	ND<0.4
S4	Garage Area- BG-S4	Depth 4"	Depth 12"	Soil	ND<0.36
S5	Garage Area- BG-S5	Depth 4"	Depth 12"	Soil	ND<0.36
S6	Garage Area- BG-S6	Depth 4"	Depth 12"	Soil	ND<0.37
S7	Garage Area- BG-S7	Depth 4"	Depth 12"	Soil	ND<0.37
S8	20140801-KR S8	Depth 4"	Depth 12"	Soil	ND<0.37

Grid Location	Sample ID	Sample Location	Excavated Depth	Material	Results (mg/kg)
S9	20140801-KR S9	Depth 4"	Depth 12"	Soil	ND<0.35
S10	KR-S10	Depth 4"	Depth 12"	Soil	ND<0.37
S11	KR-S11	Depth 4"	Depth 12"	Soil	ND<0.36
S12	KR-S12A	Depth 4"	Depth 12"	Soil	0.41 RL- 0.36
S12	081514-KN-12-S12	Depth 4" Resample	Depth 24"	Soil	ND<0.41
S12-DUP	KR-S12B	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.36
S13	KR-S13	Depth 4"	Depth 12"	Soil	ND<0.37
T1	Garage Area- BG-T1	Depth 4"	Depth 12"	Soil	ND<0.34
T2	Garage Area- BG-T2	Depth 4"	Depth 12"	Soil	ND<0.37
T3	Garage Area- BG-T3	Depth 4"	Depth 12"	Soil	ND<0.38
T4	Garage Area- BG-T4	Depth 4"	Depth 12"	Soil	ND<0.37
T5	Garage Area- BG-T5	Depth 4"	Depth 12"	Soil	ND<0.36
T6	Garage Area- BG-T6	Depth 4"	Depth 12"	Soil	ND<0.37
T7	Garage Area- BG-T7	Depth 4"	Depth 12"	Soil	ND<0.37
T8	20140801-KR T8	Depth 4"	Depth 12"	Soil	ND<0.36
T9	20140801-KR T9	Depth 4"	Depth 12"	Soil	ND<0.39
T10	KR-T10	Depth 4"	Depth 12"	Soil	ND<0.37
T11	KR-T11	Depth 4"	Depth 12"	Soil	ND<0.37
T12	KR-T12	Depth 4"	Depth 12"	Soil	ND<0.34
T13	KR-T13	Depth 4"	Depth 12"	Soil	0.87 RL- 0.35
T13	081514-KN-13-T13	Depth 4" Resample	Depth 24"	Soil	ND<0.37
T13-DUP	081514-KN-24-DUP	Depth 4"- Duplicate	Depth 24"	Soil	ND<0.38
U1	Garage Area- BG-U1	Depth 4"	Depth 12"	Soil	ND<0.35
U2	Garage Area- BG-U2	Depth 4"	Depth 12"	Soil	ND<0.36
U3	Garage Area- BG-U3	Depth 4"	Depth 12"	Soil	ND<0.41
U4	Garage Area- BG-U4	Depth 4"	Depth 12"	Soil	ND<0.37
U5	Garage Area- BG-U5	Depth 4"	Depth 12"	Soil	ND<0.41
U6	Garage Area- BG-U6A	Depth 4"	Depth 12"	Soil	ND<0.36
U6-DUP	Garage Area- BG-U6B	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.37
U7	Garage Area- BG-U7	Depth 4"	Depth 12"	Soil	ND<0.4
U8	20140801-KR U8	Depth 4"	Depth 12"	Soil	ND<0.41
U9	20140801-KR U9	Depth 4"	Depth 12"	Soil	ND<0.37
U10	KR-U10	Depth 4"	Depth 12"	Soil	ND<0.37
U11	KR-U11	Depth 4"	Depth 12"	Soil	ND<0.38

Grid Location	Sample ID	Sample Location	Excavated Depth	Material	Results (mg/kg)
U12	KR-U12	Depth 4"	Depth 12"	Soil	ND<0.38
U13	KR-U13	Depth 4"	Depth 12"	Soil	ND<0.35
V1	Garage Area- BG-V1	Depth 4" Resample	Depth 12"	Soil	0.44 RL- 0.36
V1	KR-V1	Depth 4"	Depth 18"	Soil	ND<0.37
V2	Garage Area- BG-V2	Depth 4"	Depth 12"	Soil	ND<0.38
V3	Garage Area- BG-V3	Depth 4"	Depth 12"	Soil	ND<0.37
V4	Garage Area- BG-V4	Depth 4"	Depth 12"	Soil	ND<0.38
V5	Garage Area- BG-V5	Depth 4"	Depth 12"	Soil	ND<0.36
V6	Garage Area- BG-V6	Depth 4"	Depth 12"	Soil	ND<0.38
V7	Garage Area- BG-V7	Depth 4"	Depth 12"	Soil	MD<0.36
V8	20140801-KR V8	Depth 4"	Depth 12"	Soil	ND<0.38
V9	20140801-KR V9	Depth 4"	Depth 12"	Soil	ND<0.37
V10	KR-V10	Depth 4"	Depth 12"	Soil	ND<0.4
V11	KR-V11	Depth 4"	Depth 12"	Soil	ND<0.38
V12	KR-V12	Depth 4"	Depth 12"	Soil	ND<0.34
V13	KR-V13A	Depth 4"	Depth 12"	Soil	0.76 RL- 0.38
V13-DUP	KR-V13B	Depth 4"- Duplicate	Depth 12"	Soil	0.64 RL- 0.37
V13	081514-KN-14-V13	Depth 4"- Resample	Depth 24"	Soil	ND<0.39
W1	Garage Area- BG-W1	Depth 4"	Depth 12"	Soil	ND<0.35
W2	Garage Area- BG-W2	Depth 4"	Depth 12"	Soil	ND<0.38
W3	Garage Area- BG-W3	Depth 4"	Depth 12"	Soil	ND<0.34
W4	Garage Area- BG-W4	Depth 4"	Depth 12"	Soil	ND<0.35
W5	Garage Area- BG-W5	Depth 4"	Depth 12"	Soil	ND<0.38
W6	Garage Area- BG-W6	Depth 4"	Depth 12"	Soil	ND<0.35
W7	Garage Area- BG-W7	Depth 4"	Depth 12"	Soil	ND<0.36
W8	20140801-KR W8	Depth 4"	Depth 12"	Soil	ND<0.35
W9	20140801-KR W9	Depth 4"	Depth 12"	Soil	ND<0.36
W10	KR-W10	Depth 4"	Depth 12"	Soil	0.77 RL- 0.37
W10	081514-KN-15-W10	Depth 4"- Resample	Depth 24"	Soil	ND<0.35
W11	KR-W11	Depth 4"	Depth 12"	Soil	ND<0.38
W12	KR-W12	Depth 4"	Depth 12"	Soil	ND<0.4
W13	KR-W13	Depth 4"	Depth 12"	Soil	0.44 RL- 0.35
W13	081514-KN-16-W13	Depth 4"- Resample	Depth 24"	Soil	ND<0.43
X1	Garage Area- BG-X1	Depth 4"	Depth 12"	Soil	ND<0.34



Grid Location	Sample ID	Sample Location	Excavated Depth	Material	Results (mg/kg)
X2	Garage Area- BG-X2	Depth 4"	Depth 12"	Soil	ND<0.36
X3	Garage Area- BG-X3	Depth 4"	Depth 12"	Soil	ND<0.34
X4	Garage Area- BG-X4	Depth 4"	Depth 12"	Soil	ND<0.34
X5	Garage Area- BG-X5	Depth 4"	Depth 12"	Soil	0.51 RL- 0.35
X5	KR-X5	Depth 4"- Resample	Depth 18"	Soil	ND<0.37
X6	Garage Area- BG-X6	Depth 4"	Depth 12"	Soil	ND<0.33
X7	Garage Area- BG-X7A	Depth 4"	Depth 12"	Soil	ND<0.37
X7-DUP	Garage Area- BG-X7B	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.34
X8	20140801-KR X8	Depth 4"	Depth 12"	Soil	ND<0.41
X9	20140801-KR X9	Depth 4"	Depth 12"	Soil	ND<0.38
X10	KR-X10	Depth 4"	Depth 12"	Soil	ND<0.38
X11	KR-X11	Depth 4"	Depth 12"	Soil	ND<0.39
X12	KR-X12	Depth 4"	Depth 12"	Soil	ND<0.4
X13	KR-X13	Depth 4"	Depth 12"	Soil	ND<0.37
Y1	Garage Area- BG-Y1	Depth 4"	Depth 12"	Soil	ND<0.35
Y2	Garage Area- BG-Y2	Depth 4"	Depth 12"	Soil	ND<0.36
Y3	Garage Area- BG-Y3	Depth 4"	Depth 12"	Soil	0.36 RL- 0.36
Y3	Y3A	Depth 4"	Depth 18"	Soil	0.56 RL- 0.36
Y3	Y3B-DUP	Depth 4"	Depth 18"	Soil	ND<0.36
Y4	Garage Area- BG-Y4	Depth 4"	Depth 12"	Soil	ND<0.36
Y5	Garage Area- BG-Y5	Depth 4"	Depth 12"	Soil	ND<0.35
Y6	Garage Area- BG-Y6	Depth 4"	Depth 12"	Soil	ND<0.36
<b>Y7</b>	<b>Garage Area- BG-Y7</b>	<b>Depth 4"</b>	<b>Depth 12"</b>	<b>Soil</b>	<b>1.1 RL- 0.38</b>
Y7	081214-BG-Y7	Depth 4"- Resample	Depth 18"	Soil	ND<0.4
Y8	20140801-KR Y8	Depth 4"	Depth 12"	Soil	0.56 RL- 0.37
Y8	081514-KN-17-Y8	Depth 4"- Resample	Depth 24"	Soil	ND<0.4
Y9	20140801-KR Y9	Depth 4"	Depth 12"	Soil	ND<0.39
Y10	KR-Y10	Depth 4"	Depth 12"	Soil	ND<0.37
Y11	KR-Y11	Depth 4"	Depth 12"	Soil	0.48 RL- 0.42
Y11	081514-KN-18-Y11	Depth 4" Resample	Depth 24"	Soil	ND<0.4
Y12	KR-Y12	Depth 4"	Depth 12"	Soil	ND<0.37

Grid Location	Sample ID	Sample Location	Excavated Depth	Material	Results (mg/kg)
Y13	KR-Y13	Depth 4"	Depth 12"	Soil	0.71 RL- 0.36
Y13	081514-KN-19-Y13	Depth 4"- Resample	Depth 24"	Soil	ND<0.45
Z1	Garage Area- BG-Z1A	Depth 4"	Depth 12"	Soil	ND<0.34
Z1-DUP	Garage Area- BG-Z1B	Depth 4"- Duplicate	Depth 12"	Soil	ND<0.34
Z2	Garage Area- BG-Z2	Depth 4"	Depth 12"	Soil	ND<0.35
Z3	Garage Area- BG-Z3	Depth 4"	Depth 12"	Soil	ND<0.36
Z4	Garage Area- BG-Z4	Depth 4"	Depth 12"	Soil	0.52 RL- 0.36
Z4	081214-BG-Z4	Depth 4"	Depth 18"	Soil	0.52 RL- 0.36
Z4	081514-KN-20-Z4	Depth 4"- Resample	Depth 30"	Soil	ND<0.41
Z5	Garage Area- BG-Z5	Depth 4"	Depth 12"	Soil	0.62 RL- 0.37
Z5	081214-BG-Z5	Depth 4"	Depth 18"	Soil	0.53 RL- 0.36
Z5	081514-KN-21-Z5	Depth 4"- Resample	Depth 30"	Soil	ND<0.44
Z6	Garage Area- BG-Z6	Depth 4"	Depth 12"	Soil	ND<0.34
Z7	Garage Area- BG-Z7	Depth 4"	Depth 12"	Soil	ND<0.37
Z8	20140801-KR Z8	Depth 4"	Depth 12"	Soil	ND<0.37
<b>Z9</b>	<b>20140801-KR Z9</b>	<b>Depth 4"</b>	<b>Depth 12"</b>	<b>Soil</b>	<b>1.6 RL- 0.35</b>
Z9	081514-KN-22-Z9	Depth 4"- Resample	Depth 24"	Soil	ND<0.41
Z10	KR-Z10	Depth 4"	Depth 12"	Soil	0.43 RL- 0.36
Z10	081514-KN-23-Z10	Depth 4" Resample	Depth 24"	Soil	ND<0.4
Z11	KR-Z11	Depth 4"	Depth 12"	Soil	ND<0.42
Z12	KR-Z12	Depth 4"	Depth 12"	Soil	ND<0.36
Z13	KR-Z13	Depth 4"	Depth 12"	Soil	ND<0.36
Waste profile	090214-BG-01	Excavated Soil Stockpile		Soil	ND<0.36
Waste profile	<b>090214-BG-02</b>	<b>Excavated Soil Stockpile</b>		<b>Soil</b>	<b>1.2 RL-0.34</b>
Waste profile	090214-BG-03	Excavated Soil Stockpile		Soil	ND<0.36

ND = None Detected; RL = Reporting Limit

The soil analytical reports for the 1.5 meter sampling grid at the Former Maintenance Garage Area and sample locations are also provided in *Appendix D*.

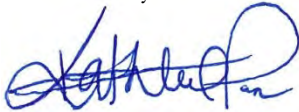
### 3.5 Post-Construction Verification Sampling-SIDP Modification Scope

The SIDP approved for this project specified for interior floor wipe sampling and air sampling for PCBs after PCB Remediation completion. EnviroScience submitted a modification memo stating that due to simultaneous asbestos abatement and PCB remediation work the entire building to remain for renovation as the school was completely open to the elements, therefore the ability to conduct floor surface wipes and air sampling within closed interior spaces was not possible.

The modification addresses conducting wipe samples on floor surfaces and air sampling after renovation has been completed and was approved by EPA. The School is still undergoing renovation and is scheduled for completion in the fall of 2015. EnviroScience will conduct the sampling prior to occupancy and forward the results under separate cover to the EPA.

This report was prepared by Environmental Technician Bruce Gregoire.

Reviewed by:



Kathleen C. Pane  
Project Manager



Robert L. May Jr.  
President

## Appendix A

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### Self-Implementing On-site Clean-up and Disposal Plan (Notification) and Correspondence

## MEMORANDUM

**TO:** Kimberly N. Tisa, PCB Coordinator  
Remediation & Restoration II Branch/RCRA Corrective Action Section

**FROM:** Kathleen C. Pane, Project Manager

**DATE:** March 12, 2014

**RE:** Self-Implementing On-Site Cleanup and Disposal Plan (SIDP)  
176 Cumberland Avenue, Wethersfield, Connecticut

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Fuss & O'Neill EnviroScience on behalf of Capital Region Education Council (CREC) would like to modify the Polychlorinated biphenyl (PCB) Cleanup and Disposal Approval plan under 40 CFR § 761.61(a) and § 761.79(h) approved on March 27, 2013. Our modification addresses two items:

1. Modification to air and wipe verification sampling plan and
2. Removal and disposal of additional identified PCB impacted building materials (PCB Remediation Waste).

### Item 1

In the SIDP Section 3.3 *Verification Sampling Plan*, Part 3.3.4 *Interior Floor Surfaces* it states that after work completion and cleaning of the containment barriers, EnviroScience shall collect wipe samples on finish floor surfaces for verification of cleaning. Part 3.3.5 *Interior Air Sampling* states after completion of work and prior to removal of containment barriers air samples shall be conducted.

During and after the removal of exterior window systems interior portions of the building were simultaneously undergoing asbestos abatement and/or demolition. The entire building has been gutted and completely open to the elements with only concrete slab, structural members and corrugated decking remaining. The ability to conduct wipe samples on any finished floor surface and within defined interior spaces was not possible during the work sequence.

Fuss & O'Neill will perform wipe samples on floor surfaces and air sampling after renovation has been completed and new interior finishes are installed in the north main building. Samples will be conducted every 2,500 SF. Sampling will represent conditions of the structure prior to occupancy.

It is estimated that 10 wipe and air samples will be collected on each floor (first, second and third). 30 wipe samples 2 duplicates and 2 blanks for a total of 34 wipe samples will be submitted. 30 air samples, 1 duplicate and a reference sample will submitted for a total of 32 air samples.

### Item 2

The project is currently undergoing renovation/demolition and remediation. As part of our due diligence services, Fuss & O'Neill reviewed previous environmental investigations conducted at the site.



MEMO - Kimberly N. Tisa  
March 12, 2014  
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Based on a Phase I Environmental Site Assessment (ESA) performed by HRP Associates, Inc. dated November 2011 several areas of environmental concern (AOECs) were identified.

AOECs identified by HRP were addressed during Phase II investigations with the exception of two AOECs which include (1) the former hazardous waste storage area (HWSA) and (2) former transformer vault. Fuss & O'Neill investigated these areas.

During the north garage building slab demolition it was discovered that the original building slab was located underneath a new slab and this original slab was identified as an additional AOEC. This slab was investigated by HRP Associates (HRP) of Farmington, Connecticut.

For the purposes of this memorandum we are identifying each area as follows:

AOEC #1-Former Hazardous Waste Storage Area (HWSA);  
AOEC #2-Former Transformer Vault  
AOEC #3-Former Garage Slab

Background and testing results regarding each AOEC is provided below. For each AOEC we are assuming the existence of a former source of PCBs >50 ppm.

#### **AOEC #1-Former HWSA**

On August 9, 2013 Fuss & O'Neill performed a visual evaluation of the concrete floor in the former HWSA. Staining was observed in the western portion of the concrete pad. Fuss & O'Neill collected concrete chip samples designated as CC-1, CC-2 and CC-3. The samples were analyzed for multiple constituents, including PCBs. Samples were analyzed at Phoenix Environmental Laboratories, Inc. (Manchester, CT). According to laboratory analytical results PCBs were detected in all three samples. Concentrations were reported at 57 ppm in sample CC-1, 18 ppm in sample CC-2 and 31 ppm in sample CC-3.

The HWSA measures approximately 15-feet by 10-feet with an approximately 6-inch thick sealed concrete floor. The area is separate from the remainder of the facility with an exterior access door. All the wastes were removed from the area prior to concrete sampling.

Three soil samples were collected from underneath the concrete floor designated as HWSS-01, HWSS-02 and HWSS-03. The samples were analyzed for multiple constituents, including PCBs. PCBs were not detected in the soil samples collected.

We have proposed collecting additional samples of soil for PCB analysis per Subpart N. Sample collection will occur in the future when the slab has been removed. If PCBs are detected greater than 1 ppm then soils will be removed until post remediation verification sampling of <1 ppm in accordance with Sub-Part O is achieved. Soils will be disposed of as PCB Remediation Waste.



MEMO - Kimberly N. Tisa

March 12, 2014

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The 150 square foot (SF) HWSA concrete slab will be removed and disposed of as PCB Remediation Waste and F003 hazardous waste due to detections of other constituents of concern and as part of hazardous waste storage closure in accordance with Connecticut Department of Energy and Environmental Protection (CTDEEP) regulations.

#### **AOEC #2-Former Transformer Vault**

On November 15, 2013 Fuss & O'Neill performed a visual assessment in the transformer vault. Two concrete chip samples (TVCS-01 and TVCS-02) were collected in areas of heavy staining. The samples were submitted for extractable total petroleum hydrocarbons (ETPH) and PCBs. PCBs were detected in the concrete samples greater than 1 ppm but less than 50 ppm.

The transformer was removed by Connecticut Light and Power (CL&P) prior to the assessment. The slab is approximately 20-feet by 10-feet. The thickness of the slab is unknown at this time.

The approximate 200 square foot concrete vault slab will be disposed of as PCB Remediation Waste. We have proposed collecting samples of underlying soil for PCB analysis per Subpart N. Sample collection will occur in the future when the slab has been removed. If PCBs are detected greater than 1 ppm then soils will be removed until post remediation verification sampling of <1 ppm in accordance with Sub-Part O is achieved and soils will be disposed of as PCB Remediation Waste.

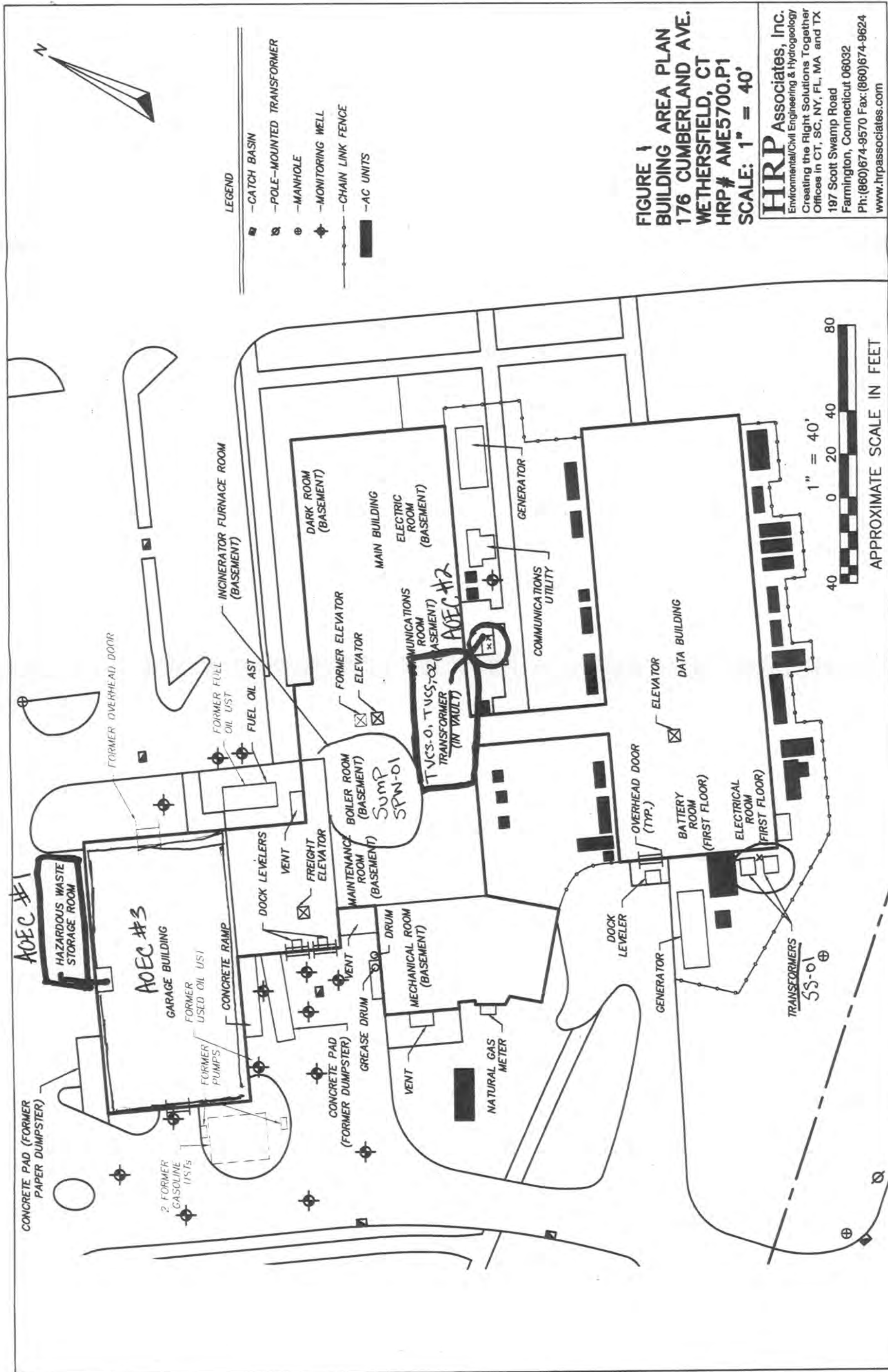
#### **AOEC #3-Former Garage Slab**

On November 26, 2013 HRP collected two composite waste characterization samples designated as CC-1 and CC-2. Each composite consisted of six sub-samples. Samples were analyzed at Connecticut Testing Laboratories, Inc. of Meriden, Connecticut. Sample CC-1 reported at 2.4 mg/kg and sample CC-2 reported at 2.5 mg/kg.

The 130-feet by 65-feet (8,440 SF) 4 inch thick concrete slab will be removed from slab and disposed of as PCB Remediation Waste. We have proposed collecting samples of soil for PCB analysis per Subpart N. Sample collection will occur in the future when the slab has been removed. If PCBs are detected greater than 1 ppm then soils will be removed until post remediation sampling of <1 ppm in accordance with Sub-Part O is achieved. Soils will be disposed of as PCB Remediation Waste.

Laboratory analytical results are attached for your review. Site plan (Figure 1) showing the three AOEC locations is attached.

We hope that EPA can approve this modification. Feel free to contact us should you have any questions and/or comments.





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

August 20, 2013

FOR: Attn: Ms Marilee Gonzalez  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: Standard  
P.O.#: 20110979A3E

### Custody Information

Collected by: DL  
Received by: SW  
Analyzed by: see "By" below

Date	Time
08/09/13	9:10
08/09/13	13:45

### Laboratory Data

SDG ID: GBF19153  
Phoenix ID: BF19155

Project ID: 176 CUMBERLAND AVE  
Client ID: 472130809-3

*Concrete chip sample from Haz Waste storage room  
(CC-1)*

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.31	0.31	mg/Kg	08/12/13	EK	SW8010
Arsenic	3.0	0.6	mg/Kg	08/12/13	EK	SW8010
Barium	43.9	0.31	mg/Kg	08/12/13	EK	SW8010
Cadmium	0.52	0.31	mg/Kg	08/12/13	EK	SW8010
Chromium	7.54	0.31	mg/Kg	08/12/13	EK	SW8010
Mercury	< 0.07	0.07	mg/Kg	08/13/13	RS	SW-7471
Lead	138	3.1	mg/Kg	08/13/13	LK	SW8010
Selenium	< 1.3	1.3	mg/Kg	08/12/13	EK	SW8010
Percent Solid	97		%	08/09/13	W	E160.3
Soil Extraction SVOA PAH	Completed			08/09/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			08/09/13	SS/F	3545
Mercury Digestion	Completed			08/12/13	H/H	SW7471
Total Metals Digest	Completed			08/09/13	Z/AG	SW846 - 3050
Field Extraction	Completed			08/09/13		SW5035
Soxhlet Extraction for PCB	Completed			08/12/13	*I	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	2000	250	mg/Kg	08/12/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	08/12/13	JRB	CT ETPH/8015

### QA/QC Summaries

% n-Pentacosane	Diluted Out	%	08/12/13	JRB	50 - 150 %
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### PCB (Soxhlet)

PCB-1016	ND	6.9	mg/kg	08/16/13	AW	3540C/8082
PCB-1221	ND	6.9	mg/kg	08/16/13	AW	3540C/8082
PCB-1232	ND	6.9	mg/kg	08/16/13	AW	3540C/8082
PCB-1242	ND	6.9	mg/kg	08/16/13	AW	3540C/8082
PCB-1248	ND	6.9	mg/kg	08/16/13	AW	3540C/8082
PCB-1254	ND	6.9	mg/kg	08/16/13	AW	3540C/8082



Project ID: 176 CUMBERLAND AVE  
Client ID: 472130809-3

Phoenix I.D.: BF19155

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB-1260	57	6.9	mg/kg	08/16/13	AW	3540C/8082
PCB-1262	ND	6.9	mg/kg	08/16/13	AW	3540C/8082
PCB-1268	ND	6.9	mg/kg	08/16/13	AW	3540C/8082
<b>QA/QC Surrogates</b>						
% DCBP	Diluted Out		%	08/16/13	AW	30 - 150 %
% TCMX	Diluted Out		%	08/16/13	AW	30 - 150 %
<b>Volatiles</b>						
1,1,1,2-Tetrachloroethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,1,1-Trichloroethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	7.8	ug/Kg	08/13/13	R/J	SW8260
1,1,2-Trichloroethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,1-Dichloroethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,1-Dichloroethene	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,1-Dichloropropene	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,2,3-Trichloropropane	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,2,4-Trimethylbenzene	950	260	ug/Kg	08/11/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,2-Dibromoethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,2-Dichlorobenzene	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,2-Dichloroethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,2-Dichloropropane	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,3,5-Trimethylbenzene	260	13	ug/Kg	08/13/13	R/J	SW8260
1,3-Dichlorobenzene	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,3-Dichloropropane	ND	13	ug/Kg	08/13/13	R/J	SW8260
1,4-Dichlorobenzene	ND	13	ug/Kg	08/13/13	R/J	SW8260
2,2-Dichloropropane	ND	13	ug/Kg	08/13/13	R/J	SW8260
2-Chlorotoluene	ND	13	ug/Kg	08/13/13	R/J	SW8260
2-Hexanone	ND	65	ug/Kg	08/13/13	R/J	SW8260
2-Isopropyltoluene	ND	13	ug/Kg	08/13/13	R/J	SW8260
4-Chlorotoluene	ND	13	ug/Kg	08/13/13	R/J	SW8260
4-Methyl-2-pentanone	ND	65	ug/Kg	08/13/13	R/J	SW8260
Acetone	ND	78	ug/Kg	08/13/13	R/J	SW8260
Acrylonitrile	ND	13	ug/Kg	08/13/13	R/J	SW8260
Benzene	ND	13	ug/Kg	08/13/13	R/J	SW8260
Bromobenzene	ND	13	ug/Kg	08/13/13	R/J	SW8260
Bromochloromethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
Bromodichloromethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
Bromoform	ND	13	ug/Kg	08/13/13	R/J	SW8260
Bromomethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
Carbon Disulfide	ND	13	ug/Kg	08/13/13	R/J	SW8260
Carbon tetrachloride	ND	13	ug/Kg	08/13/13	R/J	SW8260
Chlorobenzene	ND	13	ug/Kg	08/13/13	R/J	SW8260
Chloroethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
Chloroform	ND	13	ug/Kg	08/13/13	R/J	SW8260
Chloromethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	13	ug/Kg	08/13/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	13	ug/Kg	08/13/13	R/J	SW8260

Project ID: 176 CUMBERLAND AVE  
Client ID: 472130809-3

Phoenix I.D.: BF19155

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Dibromochloromethane	ND	7.8	ug/Kg	08/13/13	R/J	SW8260
Dibromomethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
Dichlorodifluoromethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
Ethylbenzene	40	13	ug/Kg	08/13/13	R/J	SW8260
Hexachlorobutadiene	ND	13	ug/Kg	08/13/13	R/J	SW8260
Isopropylbenzene	22	13	ug/Kg	08/13/13	R/J	SW8260
m&p-Xylene	200	13	ug/Kg	08/13/13	R/J	SW8260
Methyl Ethyl Ketone	ND	78	ug/Kg	08/13/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	26	ug/Kg	08/13/13	R/J	SW8260
Methylene chloride	ND	13	ug/Kg	08/13/13	R/J	SW8260
Naphthalene	430	260	ug/Kg	08/11/13	R/J	SW8260
n-Butylbenzene	64	13	ug/Kg	08/13/13	R/J	SW8260
n-Propylbenzene	110	13	ug/Kg	08/13/13	R/J	SW8260
o-Xylene	110	13	ug/Kg	08/13/13	R/J	SW8260
p-Isopropyltoluene	14	13	ug/Kg	08/13/13	R/J	SW8260
sec-Butylbenzene	ND	13	ug/Kg	08/13/13	R/J	SW8260
Styrene	ND	13	ug/Kg	08/13/13	R/J	SW8260
tert-Butylbenzene	ND	13	ug/Kg	08/13/13	R/J	SW8260
Tetrachloroethene	ND	13	ug/Kg	08/13/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	26	ug/Kg	08/13/13	R/J	SW8260
Toluene	16	13	ug/Kg	08/13/13	R/J	SW8260
Total Xylenes	310	13	ug/Kg	08/13/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	13	ug/Kg	08/13/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	13	ug/Kg	08/13/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	26	ug/Kg	08/13/13	R/J	SW8260
Trichloroethene	ND	13	ug/Kg	08/13/13	R/J	SW8260
Trichlorofluoromethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
Trichlorotrifluoroethane	ND	13	ug/Kg	08/13/13	R/J	SW8260
Vinyl chloride	ND	13	ug/Kg	08/13/13	R/J	SW8260
<b>QA/QC Surrogates</b>						
% 1,2-dichlorobenzene-d4	97		%	08/13/13	R/J	70 - 130 %
% Bromofluorobenzene	91		%	08/13/13	R/J	70 - 130 %
% Dibromofluoromethane	108		%	08/13/13	R/J	70 - 130 %
% Toluene-d8	105		%	08/13/13	R/J	70 - 130 %
<b>Polynuclear Aromatic HC</b>						
2-Methylnaphthalene	1100	230	ug/Kg	08/11/13	DD	SW 8270
Acenaphthene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Acenaphthylene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Anthracene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Benz(a)anthracene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Benzo(a)pyrene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Benzo(b)fluoranthene	420	230	ug/Kg	08/11/13	DD	SW 8270
Benzo(ghi)perylene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Benzo(k)fluoranthene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Chrysene	470	230	ug/Kg	08/11/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Fluoranthene	600	230	ug/Kg	08/11/13	DD	SW 8270
Fluorene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	08/11/13	DD	SW 8270

Project ID: 176 CUMBERLAND AVE  
Client ID: 472130809-3

Phoenix I.D.: BF19155

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Naphthalene	280	230	ug/Kg	08/11/13	DD	SW 8270
Phenanthrene	1300	230	ug/Kg	08/11/13	DD	SW 8270
Pyrene	520	230	ug/Kg	08/11/13	DD	SW 8270
<b><u>QA/QC Surrogates</u></b>						
% 2-Fluorobiphenyl	59		%	08/11/13	DD	30 - 130 %
% Nitrobenzene-d5	35		%	08/11/13	DD	30 - 130 %
% Terphenyl-d14	59		%	08/11/13	DD	30 - 130 %

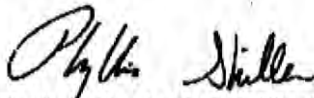
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

August 20, 2013

Reviewed and Released by: Bobbi Aloisa, Vice President





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

August 20, 2013

FOR: Attn: Ms Marilee Gonzalez  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: Standard  
P.O.#: 20110979A3E

### Custody Information

Collected by: DL  
Received by: SW  
Analyzed by: see "By" below

### Date Time

08/09/13 9:25  
08/09/13 13:45

### Laboratory Data

SDG ID: GBF19153  
Phoenix ID: BF19156

Project ID: 176 CUMBERLAND AVE  
Client ID: 472130809-4

Concrete Chip sample from HazWaste Storage room  
(CC-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	08/12/13	EK	SW6010
Arsenic	2.4	0.7	mg/Kg	08/12/13	EK	SW6010
Barium	43.4	0.36	mg/Kg	08/12/13	EK	SW6010
Cadmium	0.50	0.36	mg/Kg	08/12/13	EK	SW6010
Chromium	8.16	0.36	mg/Kg	08/12/13	EK	SW6010
Mercury	< 0.07	0.07	mg/Kg	08/13/13	RS	SW-7471
Lead	16.1	0.36	mg/Kg	08/12/13	EK	SW6010
Selenium	< 1.4	1.4	mg/Kg	08/12/13	EK	SW6010
Percent Solid	97		%	08/09/13	W	E160.3
Soil Extraction SVOA PAH	Completed			08/09/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			08/09/13	SS/F	3545
Mercury Digestion	Completed			08/12/13	H/H	SW7471
Total Metals Digest	Completed			08/09/13	Z/AG	SW846 - 3050
Field Extraction	Completed			08/09/13		SW5035
Soxhlet Extraction for PCB	Completed			08/12/13	*R	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	2200	260	mg/Kg	08/12/13	JRB	CT ETPH/8016
Identification	**		mg/Kg	08/12/13	JRB	CT ETPH/8016

### QA/QC Surrogates

% n-Pentacosane	Diluted Out		%	08/12/13	JRB	50 - 150 %
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### PCB (Soxhlet)

PCB-1016	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1221	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1232	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1242	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1248	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1254	ND	6.8	mg/kg	08/16/13	AW	3540C/8082

Project ID: 176 CUMBERLAND AVE  
Client ID: 472130809-4

Phoenix I.D.: BF19156

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB-1260	18	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1262	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1268	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	Diluted Out		%	08/16/13	AW	30 - 150 %
% TCMX	Diluted Out		%	08/16/13	AW	30 - 150 %
<b><u>Volatiles</u></b>						
1,1,1,2-Tetrachloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,1,1-Trichloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	150	ug/Kg	08/12/13	R/J	SW8260
1,1,2-Trichloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,1-Dichloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,1-Dichloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,1-Dichloropropane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2,3-Trichloropropane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2-Dibromoethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2-Dichlorobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2-Dichloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2-Dichloropropane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,3-Dichlorobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,3-Dichloropropane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,4-Dichlorobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
2,2-Dichloropropane	ND	260	ug/Kg	08/12/13	R/J	SW8260
2-Chlorotoluene	ND	260	ug/Kg	08/12/13	R/J	SW8260
2-Hexanone	ND	1300	ug/Kg	08/12/13	R/J	SW8260
2-Isopropyltoluene	ND	260	ug/Kg	08/12/13	R/J	SW8260
4-Chlorotoluene	ND	260	ug/Kg	08/12/13	R/J	SW8260
4-Methyl-2-pentanone	ND	1300	ug/Kg	08/12/13	R/J	SW8260
Acetone	ND	1500	ug/Kg	08/12/13	R/J	SW8260
Acrylonitrile	ND	260	ug/Kg	08/12/13	R/J	SW8260
Benzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Bromobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Bromochloromethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Bromodichloromethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Bromoform	ND	260	ug/Kg	08/12/13	R/J	SW8260
Bromomethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Carbon Disulfide	ND	260	ug/Kg	08/12/13	R/J	SW8260
Carbon tetrachloride	ND	260	ug/Kg	08/12/13	R/J	SW8260
Chlorobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Chloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Chloroform	ND	260	ug/Kg	08/12/13	R/J	SW8260
Chloromethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	260	ug/Kg	08/12/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	260	ug/Kg	08/12/13	R/J	SW8260

Project ID: 176 CUMBERLAND AVE  
Client ID: 472130809-4

Phoenix I.D.: BF19156

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Dibromochloromethane	ND	150	ug/Kg	08/12/13	R/J	SW8260
Dibromomethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Dichlorodifluoromethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Ethylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Hexachlorobutadiene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Isopropylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
m&p-Xylene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Methyl Ethyl Ketone	ND	1500	ug/Kg	08/12/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	520	ug/Kg	08/12/13	R/J	SW8260
Methylene chloride	ND	260	ug/Kg	08/12/13	R/J	SW8260
Naphthalene	ND	260	ug/Kg	08/12/13	R/J	SW8260
n-Butylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
n-Propylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
o-Xylene	ND	260	ug/Kg	08/12/13	R/J	SW8260
p-Isopropyltoluene	ND	260	ug/Kg	08/12/13	R/J	SW8260
sec-Butylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Styrene	ND	260	ug/Kg	08/12/13	R/J	SW8260
tert-Butylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Tetrachloroethene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	520	ug/Kg	08/12/13	R/J	SW8260
Toluene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Total Xylenes	ND	260	ug/Kg	08/12/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	260	ug/Kg	08/12/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	260	ug/Kg	08/12/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	520	ug/Kg	08/12/13	R/J	SW8260
Trichloroethene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Trichlorofluoromethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Trichlorotrifluoroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Vinyl chloride	ND	260	ug/Kg	08/12/13	R/J	SW8260
<b>QA/QC Surrogates</b>						
% 1,2-dichlorobenzene-d4	105		%	08/12/13	R/J	70 - 130 %
% Bromofluorobenzene	88		%	08/12/13	R/J	70 - 130 %
% Dibromofluoromethane	108		%	08/12/13	R/J	70 - 130 %
% Toluene-d8	103		%	08/12/13	R/J	70 - 130 %
<b>Polynuclear Aromatic HC</b>						
2-Methylnaphthalene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Acenaphthene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Acenaphthylene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Anthracene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Benz(a)anthracene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Benzo(a)pyrene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Benzo(b)fluoranthene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Benzo(ghi)perylene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Benzo(k)fluoranthene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Chrysene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Fluoranthene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Fluorene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	08/11/13	DD	SW 8270

Project ID: 176 CUMBERLAND AVE  
Client ID: 472130809-4

Phoenix I.D.: BF19156

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Naphthalene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Phenanthrene	ND	230	ug/Kg	08/11/13	DD	SW 8270
Pyrene	ND	230	ug/Kg	08/11/13	DD	SW 8270
<b>QA/QC Surrogates</b>						
% 2-Fluorobiphenyl	75		%	08/11/13	DD	30 - 130 %
% Nitrobenzene-d5	.62		%	08/11/13	DD	30 - 130 %
% Terphenyl-d14	56		%	08/11/13	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

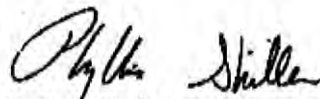
**Comments:**

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

Elevated reporting limits for volatiles due to dilution for sample matrix. Low-level samples were analyzed with poor internal standard response.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
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Phyllis Shiller, Laboratory Director

August 20, 2013

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

August 20, 2013

FOR: Attn: Ms Marilee Gonzalez  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: Standard  
P.O.#: 20110979A3E

### Custody Information

Collected by: DL  
Received by: SW  
Analyzed by: see "By" below

### Date

08/09/13  
08/09/13

### Time

9:40  
13:45

### Laboratory Data

SDG ID: GBF19153  
Phoenix ID: BF19157

Project ID: 176 CUMBERLAND AVE  
Client ID: 472130809-5

*Concrete chip sample from hardware storage room  
CCC-3*

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	<0.38	0.38	mg/Kg	08/12/13	EK	SW6010
Arsenic	4.9	0.7	mg/Kg	08/12/13	EK	SW6010
Barium	49.0	0.38	mg/Kg	08/12/13	EK	SW6010
Cadmium	1.03	0.38	mg/Kg	08/12/13	EK	SW6010
Chromium	14.5	0.38	mg/Kg	08/12/13	EK	SW6010
Mercury	<0.06	0.06	mg/Kg	08/13/13	RS	SW-7471
Lead	57.1	0.38	mg/Kg	08/12/13	EK	SW6010
Selenium	<1.4	1.4	mg/Kg	08/12/13	EK	SW6010
Percent Solid	98		%	08/09/13	W	E160.3
Soil Extraction SVOA PAH	Completed			08/09/13	JJ/FV	SW3545
Extraction of CT ETPH	Completed			08/09/13	SS/F	3545
Mercury Digestion	Completed			08/12/13	H/H	SW7471
Total Metals Digest	Completed			08/09/13	Z/AG	SW846 - 3050
Field Extraction	Completed			08/09/13		SW5035
Soxhlet Extraction for PCB	Completed			08/12/13	"I"	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	4200	510	mg/Kg	08/12/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	08/12/13	JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	Diluted Out		%	08/12/13	JRB	50 - 150 %
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### PCB (Soxhlet)

PCB-1016	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1221	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1232	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1242	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1248	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1254	ND	6.8	mg/kg	08/16/13	AW	3540C/8082

Project ID: 176 CUMBERLAND AVE  
Client ID: 472130809-5

Phoenix I.D.: BF19157

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB-1260	31	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1262	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
PCB-1268	ND	6.8	mg/kg	08/16/13	AW	3540C/8082
<b>QA/QC Sumogates</b>						
% DCBP	Diluted Out		%	08/16/13	AW	30 - 150 %
% TCMX	Diluted Out		%	08/16/13	AW	30 - 150 %

### **Volatiles**

1,1,1,2-Tetrachloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,1,1-Trichloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	150	ug/Kg	08/12/13	R/J	SW8260
1,1,2-Trichloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,1-Dichloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,1-Dichloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,1-Dichloropropane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2,3-Trichloropropane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2,4-Trichlorobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2,4-Trimethylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2-Dibromoethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2-Dichlorobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2-Dichloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,2-Dichloropropane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,3,5-Trimethylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,3-Dichlorobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,3-Dichloropropane	ND	260	ug/Kg	08/12/13	R/J	SW8260
1,4-Dichlorobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
2,2-Dichloropropane	ND	260	ug/Kg	08/12/13	R/J	SW8260
2-Chlorotoluene	ND	260	ug/Kg	08/12/13	R/J	SW8260
2-Hexanone	ND	1300	ug/Kg	08/12/13	R/J	SW8260
2-Isopropyltoluene	ND	260	ug/Kg	08/12/13	R/J	SW8260
4-Chlorotoluene	ND	260	ug/Kg	08/12/13	R/J	SW8260
4-Methyl-2-pentanone	ND	1300	ug/Kg	08/12/13	R/J	SW8260
Acetone	ND	1500	ug/Kg	08/12/13	R/J	SW8260
Acrylonitrile	ND	260	ug/Kg	08/12/13	R/J	SW8260
Benzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Bromobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Bromochloromethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Bromodichloromethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Bromoform	ND	260	ug/Kg	08/12/13	R/J	SW8260
Bromomethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Carbon Disulfide	ND	260	ug/Kg	08/12/13	R/J	SW8260
Carbon tetrachloride	ND	260	ug/Kg	08/12/13	R/J	SW8260
Chlorobenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Chloroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Chloroform	ND	260	ug/Kg	08/12/13	R/J	SW8260
Chloromethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	260	ug/Kg	08/12/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	260	ug/Kg	08/12/13	R/J	SW8260



Project ID: 176 CUMBERLAND AVE  
Client ID: 472130809-5

Phoenix I.D.: BF19157

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Dibromochloromethane	ND	150	ug/Kg	08/12/13	R/J	SW8260
Dibromomethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Dichlorodifluoromethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Ethylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Hexachlorobutadiene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Isopropylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
m&p-Xylene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Methyl Ethyl Ketone	ND	1500	ug/Kg	08/12/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	510	ug/Kg	08/12/13	R/J	SW8260
Methylene chloride	ND	260	ug/Kg	08/12/13	R/J	SW8260
Naphthalene	ND	260	ug/Kg	08/12/13	R/J	SW8260
n-Butylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
n-Propylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
o-Xylene	ND	260	ug/Kg	08/12/13	R/J	SW8260
p-Isopropyltoluene	ND	260	ug/Kg	08/12/13	R/J	SW8260
sec-Butylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Styrene	ND	260	ug/Kg	08/12/13	R/J	SW8260
tert-Butylbenzene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Tetrachloroethene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Tetrahydrofuran (THF)	ND	510	ug/Kg	08/12/13	R/J	SW8260
Toluene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Total Xylenes	ND	260	ug/Kg	08/12/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	260	ug/Kg	08/12/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	260	ug/Kg	08/12/13	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	510	ug/Kg	08/12/13	R/J	SW8260
Trichloroethene	ND	260	ug/Kg	08/12/13	R/J	SW8260
Trichlorofluoromethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Trichlorotrifluoroethane	ND	260	ug/Kg	08/12/13	R/J	SW8260
Vinyl chloride	ND	260	ug/Kg	08/12/13	R/J	SW8260
<b>QA/QC Surrogates</b>						
% 1,2-dichlorobenzene-d4	106		%	08/12/13	R/J	70 - 130 %
% Bromofluorobenzene	88		%	08/12/13	R/J	70 - 130 %
% Dibromofluoromethane	105		%	08/12/13	R/J	70 - 130 %
% Toluene-d8	103		%	08/12/13	R/J	70 - 130 %
<b>Polynuclear Aromatic HC</b>						
2-Methylnaphthalene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Acenaphthene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Acenaphthylene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Anthracene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Benz(a)anthracene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Benzo(a)pyrene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Benzo(b)fluoranthene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Benzo(ghi)perylene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Benzo(k)fluoranthene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Chrysene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Dibenz(a,h)anthracene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Fluoranthene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Fluorene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	1200	ug/Kg	08/11/13	DD	SW 8270

Project ID: 176 CUMBERLAND AVE  
Client ID: 472130809-5

Phoenix I.D.: BF19157

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Naphthalene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Phenanthrene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
Pyrene	ND	1200	ug/Kg	08/11/13	DD	SW 8270
<b>QA/QC Surrogates</b>						
% 2-Fluorobiphenyl	103		%	08/11/13	DD	30 - 130 %
% Nitrobenzene-d5	84		%	08/11/13	DD	30 - 130 %
% Terphenyl-d14	80		%	08/11/13	DD	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

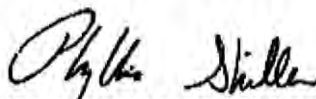
**Comments:**

\* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

Elevated reporting limits for volatiles due to dilution for sample matrix. Low-level samples were analyzed with poor internal standard response.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
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Phyllis Shiller, Laboratory Director

August 20, 2013

Reviewed and Released by: Bobbi Aloisa, Vice President





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 05, 2013

FOR: Attn: Ms Marilee Gonzalez  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O  
Rush Request: Standard  
P.O.#: 20110979A3E

### Custody Information

Collected by: SS  
Received by: SW  
Analyzed by: see "By" below

Date	Time
11/15/13	12:50
11/15/13	15:55

### Laboratory Data

SDG ID: GBF77269  
Phoenix ID: BF77278

Project ID: 176 CUMBERLAND AVE  
Client ID: 1188131115-10

TVCS-01 (0-0.25')

Concrete Sample from  
Transformer Vault

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	11/15/13	I	E180.3
Soil Extraction for PCB	Completed			11/15/13	BB/V	SW3545
Extraction of CT ETPH	Completed			11/15/13	BS/VF	3545

### TPH by GC (Extractable Products)

Ext. Petroleum HC	16000	2600	mg/Kg	11/20/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	11/20/13	JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	Diluted Out		%	11/20/13	JRB	50 - 150 %
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### Polychlorinated Biphenyls

PCB-1016	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1221	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1232	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1242	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1248	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1254	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1260	1500	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1262	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1268	ND	330	ug/Kg	11/16/13	AW	SW 8082

### QA/QC Surrogates

% DCBP	109		%	11/16/13	AW	30 - 150 %
% TCMX	91		%	11/16/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE  
Client ID: 1188131115-10

TVCS-01 (0-0.25')

Phoenix I.D.: BF77278

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

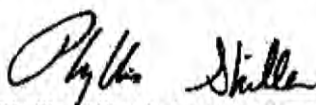
**Comments:**

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C28. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 05, 2013

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 05, 2013

FOR: Attn: Ms Marilee Gonzalez  
Fuss & O'Neill, Inc.  
148 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O  
Rush Request: Standard  
P.O.#: 20110979A3E

### Custody Information

Collected by: SS  
Received by: SW  
Analyzed by: see "By" below

### Date

11/15/13 11:05  
11/15/13 15:55

### Time

### Laboratory Data

SDG ID: GBF77269  
Phoenix ID: BF77279

Project ID: 176 CUMBERLAND AVE  
Client ID: 1188131115-11

TVCS-02 (0-0.25')

*Consolidate Sample from Transformer Vault*

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	11/15/13	I	E160.3
Soil Extraction for PCB	Completed			11/15/13	BB/V	SW3545
Extraction of CT ETPH	Completed			11/15/13	BS/VF	3545

### TPH by GC (Extractable Products)

Ext. Petroleum HC	16000	2800	mg/Kg	11/20/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	11/20/13	JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	Diluted Out		%	11/20/13	JRB	50 - 150 %
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### Polychlorinated Biphenyls

PCB-1016	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1221	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1232	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1242	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1248	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1254	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1260	1300	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1262	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1268	ND	340	ug/Kg	11/16/13	AW	SW 8082

### QA/QC Surrogates

% DCBP	104		%	11/16/13	AW	30 - 150 %
% TCMX	96		%	11/16/13	AW	30 - 150 %



Project ID: 176 CUMBERLAND AVE  
Client ID: 1188131115-11

TVCS-02 (0-0.25')

Phoenix I.D.: BF77279

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

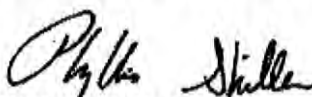
**Comments:**

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C28. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

December 05, 2013

Reviewed and Released by: Phyllis Shiller, Laboratory Director



December 10, 2013

HRP Associates, Inc.  
197 Scott Swamp Road  
Farmington, CT 06032  
Attn: Ms. Jenny Mooney

Former Garage Slab

CC-1, CC-2  
1

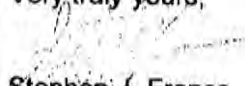
Please find attached laboratory report(s) for the samples submitted on:  
**November 27, 2013.**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing or the test results, please have the following information readily available:

Lab No. : 1113444  
PO/Job No. : AME5701.RA  
Invoice No. : 183918  
Customer No. : 350

Please contact us if you have any questions.

Very truly yours,

  
Stephen J. Franco  
Laboratory Director  
PH-0547



**connecticut  
testing  
laboratories inc.**

WATER • SOIL • AIR

STEPHEN J. FRANCO  
Laboratory Director

PHONE 203/634-3731

[www.ctl-web.com](http://www.ctl-web.com) / [ctestlab@erols.com](mailto:ctestlab@erols.com)

165 GRACEY AVENUE • MERIDEN, CT 06451

Page 1 of 33

# CASE NARRATIVE

Connecticut Testing Laboratories, Inc.

**Prepared for:**

HRP Associates, Inc.  
197 Scott Swamp Rd  
Farmington, CT 06032

**Order#:** 1113444

**Project:** AME5701.RA

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
CC-1	18334	SOIL	11/26/2013	11/27/2013
CC-2	18335	SOIL	11/26/2013	11/27/2013

There is currently no RCP criteria for TPH by EPA 8100, Flash Point, pH, Conductivity or Reactivity analysis, however, QC data has been reported and meets the requirements of each non-RCP method.

The ETPH discrimination check meets RCP criteria.

SVOC anomalies are noted in the RCP DQA summary table attached to this report.

Due to matrix interferences, the following samples were diluted for SVOC analysis and the reporting levels have been raised accordingly; CTL nos. 18334 & 18335.

The enclosed results of analyses are representative of the samples as received by the laboratory. Connecticut Testing Laboratories, Inc. makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By: \_\_\_\_\_

Connecticut Testing Laboratories, Inc.

Date: \_\_\_\_\_

12/9/13

Date Samples Received: 11/27/2013

Client Name: HRP Associates, Inc.  
Report Date: 12/09/2013  
Method #: SW 3545/8082A

CTL Lab No.: 1113444  
PO No: AME5701.RA  
Analyst: MTL

## RESULTS OF ANALYSIS

### EPA Method 8082 RCP

Matrix Type:	SOIL	SOIL
CTL Sample No.:	18334	18335
Field ID:	CC-1	CC-2
Date Analyzed:	12/05/2013	12/05/2013
Date Extracted:	12/02/2013	12/02/2013

Parameters	Units	RL				
Aroclor 1016	mg/kg	0.5	ND	ND		
Aroclor 1221	mg/kg	0.5	ND	ND		
Aroclor 1232	mg/kg	0.5	ND	ND		
Aroclor 1242	mg/kg	0.5	ND	ND		
Aroclor 1248	mg/kg	0.5	ND	ND		
Aroclor 1254	mg/kg	0.5	ND	ND		
Aroclor 1260	mg/kg	0.5	2.4	2.5		
PCBs, Total	mg/kg	0.5	2.4	2.5		
Decachlorobiphenyl-SR	%	----	106	104		
Tetrachloro-m-Xylene-SR	%	----	125	119		

RL=Reporting Level ND = None Detected

Connecticut Testing Laboratories, Inc.  
165 Gracey Avenue / Meriden, CT 06451  
(203) 634-3731 (Fax) 630-1336  
Certification CT-PH0547 / MA-CT035





## Kathleen Pane

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**From:** Woodward, Katherine <Woodward.Katherine@epa.gov>  
**Sent:** Tuesday, July 08, 2014 4:17 PM  
**To:** Kathleen Pane  
**Subject:** Discovery Academy Modification

Kathleen,

In accordance with Attachment 1, Condition 16 of the Approval dated March 27, 2013, EPA has reviewed the modification to the Notification dated March 26, 2014 and the subsequent email dated June 30, 2014. EPA has determined that the modification is consistent with the Approval.

Once the garage slab has been removed and the soils sampled, please provide the soil data to EPA. In addition, please ensure that all data collected under the modification is included in the Project Completion Report.

If you have any questions, please feel free to contact me.

Kate

Katherine A Woodward, PE  
US Environmental Protection Agency  
5 Post Office Square, Suite 100  
Mail Code: OSRR07-2  
Boston, MA 02109-3912  
Phone: (617)918-1353  
Fax: (617)918-0353

## Appendix B

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### Notification Approval Letter



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**REGION I**

**5 POST OFFICE SQUARE, SUITE 100  
BOSTON, MASSACHUSETTS 02109-3912**

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

**MAR 2 / 2013**

Mr. Robert Saunders  
Project/Program Manager  
Capital Region Education Council  
108 Charter Oak Avenue  
Hartford, Connecticut 06106

Re: PCB Cleanup and Disposal Approval under 40 CFR § 761.61(a) and § 761.79(h)  
176 Cumberland Avenue  
Wethersfield, Connecticut

Dear Mr. Saunders:

This is in response to the Capital Region Education Council (CREC) Notification<sup>1</sup> for approval to clean up and dispose of PCB-contaminated building materials in the building located at 176 Cumberland Avenue, Wethersfield, Connecticut (the Site). The Site contains caulk and other building materials that exceeds the allowable PCB levels under the federal PCB regulations at 40 CFR § 761.20(a), § 761.61, and § 761.62.

In its Notification, CREC has proposed the following PCB cleanup and disposal plan:

- Remove exterior window/door, interior expansion/wall/floor joint and exterior pink PCB caulk from the Main Building and Garage, and the exterior window/door caulk from the South Building for disposal as a *PCB bulk product waste*
- Remove *porous* and *non-porous surfaces* in contact with the PCB caulk (e.g., window/door assemblies, and 8 inches (1 course) exterior brick and 8 inches ( ½ course) concrete block) for disposal as *PCB bulk product waste*
- Decontaminate *non-porous surfaces* (i.e., steel lintels) that will remain to a less than or equal to ( ≤ ) 1 µg/100 cm<sup>2</sup> PCB cleanup standard

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<sup>1</sup> The notifications were prepared by Fuss & O'Neill on behalf of CREC to satisfy the notification requirement under 40 CFR § 761.61(a)(3). Information was submitted dated November 13, 2012 (Self-Implementing On-Site Cleanup and Disposal Plan (SIDP)); March 7, 2013 (Revised SIDP and Response to EPA Comments); and March 22, 2013 (email response to questions concerning area). These submittals shall be referred to as the "Notification".

- Remove bulk *PCB remediation waste* (i.e., soils in Areas 5, 10, and 15 to a depth of 4 inches, and Areas 4 and 6 to a depth of 8 inches) within 60 inches of the building foundation and dispose of as a less than (<) 50 ppm PCB waste in a RCRA non-hazardous waste landfill in accordance with § 761.61(a)(5)(i)(B)(2)(ii);
- Conduct verification sampling for *porous surfaces* and soils in accordance with 40 CFR 761 Subpart O, and Subpart P for *non-porous surfaces*.


CREC may proceed with its cleanup in accordance with 40 CFR § 761.61(a); § 761.62; § 761.79(h); its Notification; and this Approval, subject to the conditions of Attachment 1.

Questions and correspondence regarding this Approval should be directed to:

Kimberly N. Tisa, PCB Coordinator (OSRR07-2)  
United States Environmental Protection Agency  
5 Post Office Square, Suite 100  
Boston, Massachusetts 02109-3912  
Telephone: (617) 918-1527  
Facsimile: (617) 918-0527

EPA shall not consider this project complete until it has received all submittals required under this Approval. Please be aware that upon EPA receipt and review of the submittals, EPA may request any additional information necessary to establish that the work has been completed in accordance with 40 CFR Part 761, the Notification, and this Approval.

Sincerely,



James T. Owens III, Director  
Office of Site Remediation & Restoration

cc Stephen W. Connelly, Fuss & O'Neill  
Gary Trombly, CT DEEP  
File

Attachment 1: PCB Approval Conditions



**ATTACHMENT 1:**

**PCB CLEANUP AND DISPOSAL APPROVAL CONDITIONS  
176 CUMBERLAND AVENUE (the Site)  
WETHERSFIELD, CONNECTICUT**

**GENERAL CONDITIONS**

1. This Approval is granted under the authority of Section 6(e) of the Toxic Substances Control Act (TSCA), 15 U.S.C. § 2605(e), and the PCB regulations at 40 CFR Part 761, and applies solely to the *PCB bulk product waste* and the *PCB remediation waste* located at the Site and identified in the Notification.
2. Capital Region Education Council (CREC) shall conduct on-site activities in accordance with the conditions of this Approval and with the Notification.
3. In the event that the cleanup plan described in the Notification differs from the conditions specified in this Approval, the conditions of this Approval shall govern.
4. The terms and abbreviations used herein shall have the meanings as defined in 40 CFR § 761.3 unless otherwise defined within this Approval.
5. CREC must comply with all applicable federal, state and local regulations in the storage, handling, and disposal of all PCB wastes, including PCBs, PCB Items and decontamination wastes generated under this Approval. In the event of a new spill during response actions, CREC shall contact EPA within 24 hours for direction on PCB cleanup and sampling requirements.
6. CREC is responsible for the actions of all officers, employees, agents, contractors, subcontractors, and others who are involved in activities conducted under this Approval. If at any time CREC has or receives information indicating that CREC or any other person has failed, or may have failed, to comply with any provision of this Approval, it must report the information to EPA in writing within 24 hours of having or receiving the information.
7. This Approval does not constitute a determination by EPA that the transporters or disposal facilities selected by CREC are authorized to conduct the activities set forth in the Notification. The is responsible for ensuring that its selected transporters and disposal facilities are authorized to conduct these activities in accordance with all applicable federal, state and local statutes and regulations.

8. This Approval does not: 1) waive or compromise EPA's enforcement and regulatory authority; 2) release CREC from compliance with any applicable requirements of federal, state or local law; or 3) release CREC from liability for, or otherwise resolve any violations of federal, state or local law.
9. Failure to comply with the Approval conditions specified herein shall constitute a violation of the requirement in § 761.50(a) to store or dispose of PCB waste in accordance with 40 CFR Part 761 Subpart D.

#### **NOTIFICATION AND CERTIFICATION CONDITIONS**

10. This Approval may be revoked if the EPA does not receive written notification from CREC of its acceptance of the conditions of this Approval within 10 business days of receipt.
11. CREC shall submit the following information for EPA review and/or approval:
  - a. a certification signed by its selected abatement/demolition contractor, stating that the contractor(s) has read and understands the Notification, and agrees to abide by the conditions specified in this Approval;
  - b. a contractor work plan, prepared and submitted by the selected demolition or abatement contractor(s) describing the containment and air monitoring that will be employed during abatement activities. This work plan should also include information on how and where wastes will be stored and disposed of, and on how field equipment will be decontaminated; and,
  - c. a certification signed by the selected analytical laboratory, stating that the laboratory has read and understands the extraction and analytical method requirements and quality assurance requirements specified in the Notification and in this Approval.

#### **REMEDIAL AND DISPOSAL CONDITIONS**

12. To the maximum extent practical, engineering controls, such as barriers, and removal techniques, such as the use of HEPA ventilated tools, shall be utilized during removal processes. In addition, to the maximum extent possible, disposable equipment and materials, including PPE, will be used to reduce the amount of decontamination necessary.



13. PCB-contaminated materials shall be decontaminated and confirmatory sampling and analysis shall be conducted as described below:
  - a. All visible residues of *PCB bulk product waste* (i.e., PCB caulk) shall be removed as described in the Notification.
  - b. The cleanup standard for bulk *PCB remediation waste* (i.e., soil) shall be less than or equal to ( $\leq$ ) 1 part per million (ppm). Verification samples shall be collected on a bulk basis (e.g., mg/kg) and reported on a dry-weight basis. Verification sampling shall comply with Subpart O; samples shall be collected from both excavation bottoms and sidewalls, as applicable.
  - c. The decontamination standard for *porous surfaces* (i.e., bricks and concrete) shall be  $\leq$  1 ppm. Sampling for *porous surfaces* shall be performed on a bulk basis (i.e., mg/kg) and reported on a dry weight analysis. Sampling for *porous surfaces* shall be conducted in accordance with the EPA Region 1 *Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs) Revision 4, May 5, 2011*, at a maximum depth interval of 0.5 inches. Verification samples shall be collected at the frequency specified in 40 CFR 761 Subpart O.
  - d. The decontamination standard for *non-porous surfaces* (i.e., steel lintels) shall be as follows:
    - i) Post-decontamination verification sampling of *non-porous surfaces* shall be performed on a surface area basis by the standard wipe test as specified in 40 CFR § 761.123 (i.e.,  $\mu\text{g}/100\text{ cm}^2$ ) and in accordance with Subpart P.
    - ii) In the event decontaminated *non-porous surfaces* have PCB concentrations at greater than ( $>$ )  $1\mu\text{g}/100\text{ cm}^2$  PCBs, CREC may conduct additional decontamination to achieve the required decontamination standard or must store and dispose of these wastes in accordance with 40 CFR Part 761.
  - e. Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846; and, chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another extraction/analytical method(s) is validated according to Subpart Q.
14. All PCB waste (regardless of concentration) generated as a result of the activities described in the Notification, excluding any decontaminated materials, shall be marked in accordance with § 761.40; stored in a manner prescribed in § 761.65; and, disposed of in accordance with 40 CFR § 761.61(a)(5) or § 761.62, unless otherwise specified below:
  - a. Decontamination wastes and residues shall be disposed of in accordance with 40 CFR § 761.79(g).

- b. Moveable equipment, tools, and sampling equipment shall be decontaminated in accordance with either 40 CFR § 761.79(b)(3)(i)(A), § 761.79(b)(3)(ii)(A), or § 761.79(c)(2).
- c. PCB-contaminated water generated during decontamination shall be decontaminated in accordance with 40 CFR § 761.79(b)(1) or disposed of under § 761.60.

### **INSPECTION, MODIFICATION AND REVOCATION CONDITIONS**

- 15. CREC shall allow any authorized representative of the Administrator of the EPA to inspect the Sites and to inspect records and take samples as may be necessary to determine compliance with the PCB regulations and this Approval. Any refusal by CREC to allow such an inspection (as authorized by Section 11 of TSCA) shall be grounds for revocation of this Approval.
- 16. Any proposed modification(s) in the plan, specifications, or information in the Notification must be submitted to EPA no less than 14 calendar days prior to the proposed implementation of the change. Such proposed modifications will be subject to the procedures of 40 CFR § 761.61(a)(3)(ii).
- 17. Any departure from the conditions of this Approval without prior, written authorization from the EPA may result in the revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.
- 18. Any misrepresentation or omission of any material fact in the Notification or in any records or reports may result in the EPA's revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

### **RECORDKEEPING AND REPORTING CONDITIONS**

- 19. CREC shall prepare and maintain all records and documents required by 40 CFR Part 761, including but not limited to the records required under Subparts J and K. A written record of the decontamination and the analytical sampling shall be established and maintained by CREC in one centralized location, until such time as EPA approves in writing a request for an alternative disposition of such records. All records shall be made available for inspection to authorized representatives of EPA.

20. CREC shall submit a final report as both a hard copy and electronic version, to the EPA within 60 days of completion of the activities authorized under this Approval. At a minimum, this final report shall include: a short narrative of the project activities with photo-documentation; characterization and confirmation sampling analytical results; copies of the accompanying analytical chains of custody; field and laboratory quality control/quality assurance checks; an estimate of the quantity of PCB waste disposed of; copies of manifests and bills of lading; and copies of certificates of disposal or similar certifications issued by the disposer.
21. Required submittals shall be mailed to:
- Kimberly N. Tisa, PCB Coordinator (OSRR07-2)  
United States Environmental Protection Agency  
5 Post Office Square, Suite 100  
Boston, Massachusetts 02109-3912  
Telephone: (617) 918-1527  
Facsimile: (617) 918-0527
22. No record, report or communication required under this Approval shall qualify as a self-audit or voluntary disclosure under EPA audit, self-disclosure or penalty policies.

\*\*\*\*\*

**END OF ATTACHMENT**

## Appendix C

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### Approval Conditions

## Appendix C

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### 1) EPA PCB Cleanup and Disposal Approval Letter



April 4, 2013

Ms. Kimberly Tisa  
PCB Coordinator  
U.S. Environmental Protection Agency  
Region 1  
5 Post Office Square, Suite 100  
Mail Code: OSRR07-2  
Boston, MA 02109-3912

**RE: 176 Cumberland Avenue, Wethersfield, Connecticut  
PCB Cleanup and Disposal Approval**

Dear Ms. Tisa:

We have received and reviewed the PCB Cleanup and Disposal Approval letter dated March 27, 2013 for the PCB Self-Implementing On-Site Cleanup and Disposal Plan prepared by Fuss & O'Neill EnviroScience, LLC in regard to the removal of PCB contaminants from the Site building.

We acknowledge and accept the conditions of the approval letter and hope to move forward with this project. Currently, all work is scheduled to begin the beginning of May/June 2013.

We have attached the required certification for the laboratories, Phoenix Environmental Laboratories, Inc. and Con-Test Analytical Laboratory. The abatement contractor will be determined once the project has gone out to bid and a contractor is chosen. The contractor who is awarded the project will sign off on the SIDP and submit the required contractor work plan.

We will forward the contractor work plan prepared for the work when the abatement contractor is chosen and provide the plan prior to June 2013.

Thank you for your attention to this matter. If you have any questions with regard to the plan, please contact Kathleen Pane at 860-646-2469 ext. 5585 or via email at [kpane@fando.com](mailto:kpane@fando.com).

Sincerely,

Mr. Robert Saunders  
Project/Program Manager/Capital Region Education Council  
Phone: 860-509-3732, email: [rsaunders@crec.org](mailto:rsaunders@crec.org)

**Robert Saunders**  
*CREC Construction Division – Senior Project Manager*

108 Charter Oak Avenue  
Hartford, Connecticut 06106  
Office Phone: 860.509.3722  
Cell Phone: 860.706.9859  
[rsaunders@crec.org](mailto:rsaunders@crec.org)  
[www.crecconstruction.org](http://www.crecconstruction.org)



## Appendix C

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### 2) Contractor Acceptance Letter


### Acknowledgement of PCB Cleanup and Disposal Plan Approval

The undersigned has reviewed the Self Implementing On-Site Cleanup and Disposal Plan dated November 13, 2012, most recently revised March 7, 2013 as prepared by Luss & O'Neill EnviroScience, LLC for the CRFC-Discovery Academy located at 176 Cumberland Avenue, Wethersfield, Connecticut, and the U.S. Environmental Protection Agency (USEPA) letter dated March 27, 2013 approving the plans with conditions.

Wei Construction, Inc. understands the requirements of the plan and the conditions and agrees to abide by the requirements of said document in the performance of the work for PCB cleanup at CRFC-Discovery Academy, Wethersfield, Connecticut.

  
Contractor Signature

8-15-13  
Date

  
Contractor Printed Name

282 Finkel St.  
Contractor Address

Wethersfield, CT 06092  
City, State and Zip

## Appendix C

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### 3) Contractor Work Plan

Wiese Construction, Inc.  
282 Franklin Street  
Norwich, CT 06360

Tel: 860-889-4973

Fax: 860-889-5035

Mel@wiese-construction.com

Wiese Construction, Inc.  
282 Franklin Street  
Norwich, CT 06360

**SITE SPECIFIC  
PCB REMEDIATION & SAFETY PLAN**

Date: September 23, 2013

General Information  
Scope and Applications  
Worker Protection

Site Location:  
Future CREC Discovery Academy  
176 Cumberland Avenue  
Wethersfield, CT 06109

**REMEDIATION PLAN OVERVIEW:**

This plan has been developed for the remediation of PCB-affected caulk, building materials, brick and soil encountered during the implementation of the Future CREC Discovery Academy Renovation and partial Demolition project. Throughout the implementation process and upon its completion, each step of the remediation will be evaluated to determine whether any plan modifications should be made prior to continuing with the remedy implementation in other areas.

The self-implementing cleanup and disposal plan proposed herein is a combination of a removal and off-site disposal of PCB bulk waste under 40 CFR 761.62, the self-implementing cleanup and disposal plan will be strictly followed in accordance with the Owner's representative. All remediation workers and persons having business in the designated work areas shall abide by the remediation contractors HASP criteria and wear OSHA-approved PPE for applicable work. All workers per the HASP plan shall be trained per OSHA and US EPA requirements, have medical clearance and recently received pulmonary function tests and be fit tested by a trained professional. All respirator and PPE equipment shall be OSHA approved. Abatement products and equipment shall be approved by the Owner's representative prior to use and shall be compliant with industry standards. Emergency equipment including but not limited to Fire Extinguishers, First Aid Kits and Posted Emergency contact information per CFR specs shall be

on site, in plain sight, at all times – in accordance with 29 CFR 1910.157 & 29 CFR 1910.1951, respectively.

#### **General Site Information:**

The Site is currently a vacant commercial structure and will undergo partial demolition and gut renovation to be the future Site of the Discovery Academy School. . The Site is owned by Capitol Region Education Council (CREC) and is according to assessor field card it is 116,279 square feet in size.

#### **Scope of Work:**

Wiese Construction Inc. has read the PCB Cleanup and Disposal Approval under 40 CFR § 761.61 (a); and § 761.79(h) “self-implementing plan to address PCB caulk and building materials” as well as all supporting documents provided by Fuss & O’Neill EnviroScience, LLC. Based on the provided documents and approvals the scope of work is understood as follows:

1. Remove exterior window/door, interior expansion wall/floor joint, and exterior pink PCB caulk from the main building and garage, and the exterior window/door caulk from the south building for disposal PCB bulk product waste.
2. Remove porous and non-porous surfaces in contact with the PCB caulk (e.g., window/door assemblies, and 8 inches (1 course) exterior brick and 8 inches (1/2 course) concrete block) for disposal as PCB bulk product waste.
3. Decontaminate non-porous surfaces (i.e., steel lintels) that will remain to a less than or equal to ( $\leq$ ) 1 $\mu$ g/100 cm<sup>2</sup> PCB cleanup standard.
4. Remove bulk PCB remediation waste (i.e., soils in Areas 5, 10, and 15 to a depth of 4 inches, and Areas 4 and 6 to a depth of 8 inches) within 60 inches of the building foundation and dispose of as a less than (<) 50 ppm PCB waste in a RCRA non-hazardous waste landfill in accordance with § 761.61(a)(5)(i)(B)(2)(ii)
5. Conduct verification sampling for porous surfaces and soils in accordance with 40 CFR 761 Subpart O, and Subpart P for non-porous surfaces.

#### **Sequencing of Work:**

PCB Bulk Product Waste Removal – Garage/Main Building

- PCB-01 - Remove existing exterior window and door caulking at all masonry window and door openings from the garage/main building for disposal as PCB Bulk Product Waste  $\geq 50$  ppm.
- PCB-02 - Remove existing interior expansion/wall joint caulking at all identified locations from the garage building for disposal as PCB Bulk Product Waste  $\geq 50$  ppm.
- PCB-03 - Remove existing interior floor joint caulking at identified locations from the garage building for disposal as PCB Bulk Product Waste  $\geq 50$  ppm.
- PCB-04 - Remove existing exterior pink building joint caulking at identified locations from the main building for disposal as PCB Bulk Product Waste  $\geq 50$  ppm.
- PCB-05 - Removal and off-site disposal of non-porous metal window assemblies including glass, PCB containing glazing compounds, panels, insulation etc. from all locations from the garage/main building for disposal as PCB Bulk Product Waste  $\geq 50$  ppm.
- PCB-06 - Remove existing exterior brick veneer at all masonry window and door openings from the garage/main building for disposal as PCB Bulk Product Waste  $\geq 50$  ppm. Exterior brick and concrete block shall be removed in a vertical line at closest vertical mortar joint cutting whole bricks/blocks as necessary and removed in their entirety from location of caulk joint. This shall be a minimum of 8" from the caulk joint. In addition, remove existing interior block/concrete associated with interior wall/floor joints in the garage for disposal as PCB Bulk Product Waste  $\geq 50$  ppm. This shall be a minimum of 8" from the caulk joint. This interior substrate was not sampled and assumed to be PCB Bulk Product Waste  $\geq 50$  ppm.

PCB Bulk Product Waste Removal – South Building

- PCB-07 - Remove existing exterior window and door caulking at all masonry window and door openings from the south building for disposal as PCB Bulk Product Waste  $\geq 50$  ppm.
- PCB-08 - Removal and off-site disposal of non-porous metal window and door assemblies including glass, PCB containing glazing compounds, panels, insulation etc. from all locations from the south building identified.



Wiese Construction, Inc.  
282 Franklin Street  
Norwich, CT 06360

Tel: 860-889-4973

Fax: 860-889-5035

Mel@wiese-construction.com

#### Bulk PCB Remediation Waste Removal – Garage/Main Building/South Building

- PCB-09 - Remove PCB contaminated soil from Area 5, Area 10, Area 15 to noted depths (0-4 inches) and Area 4 and Area 6 to noted depths (4-8 inches) for disposal as Bulk PCB Remediation Waste < 50 ppm. Post verification sampling shall be collected along the edge of the foundation in locations of prior samples and at 5 feet from the perimeter to ensure that no contamination of soils has resulted as a result of the remediation and removal work.
- PCB-10 - Non-porous surfaces (exterior steel beam/lintel) shall be cleaned to standard of  $\leq 1 \mu\text{g}/100 \text{ cm}^2$ .

#### **Worker Training & Protection:**

Work will be performed as described in the scope of work by qualified, trained, and licensed personnel in accordance with all OSHA, EPA, CTPDH and CTDEEP requirements. For work crews performing PCB abatement, the crew foreman will have successfully completed 40-Hour Hazwoper training in accordance with 29 CFR 1910.120. Other workers will have a minimum of 24-hour training for work on hazardous waste sites. Site-specific training will be conducted on site prior to the start of the project to orient workers to site-specific hazards. Licenses, training certifications and qualifications will be submitted prior to start of the project. Work will be performed in accordance with all OSHA, EPA, CTDPH and CTDEEP requirements.

Wiese Construction, Inc., will designate a full-time Project Health & Safety Officer to the site. The Project Health & Safety Officer will hold a current CT asbestos supervisor license and EPA certificate and have a minimum of eight (8) hours of supervisor training in hazardous waste site operations in accordance with the requirements of 29 CFR 1910. The Project Health & Safety Officer will meet the requirements of a "Competent Person" as defined by OSHA 1926.1101 and will have a minimum of two (2) year's experience as a supervisor over PCB-related work.

#### **Worker Protection and Containment Control:**

All persons entering the abatement area shall wear, as a minimum, a hooded full-body protective suit gathered at the wristband and ankles, protective shoe coverings, and an approved respirator. This level of prescribed protective clothing must be maintained until the final inspection and monitoring deems the containment area to be free of risks. Respirator cartridges for demolition and abatement of PCB-containing materials on this project will consist of combination HEPA and organic vapor cartridges. This and other personal-protective equipment will be provided to the employees of Wiese Construction, Inc.

Wiese Construction Inc. will follow the marking requirements on containment areas as identified (see attached containment diagram).

WARNING  
HAZARDOUS WASTE WORK AREA  
PCBs-POISON  
NO SMOKING, EATING OR DRINKING  
AUTHORIZED PERSONNEL ONLY  
PROTECTIVE CLOTHING REQUIRED IN THIS AREA

Containment areas shall be marked with appropriate warning signs in English and the predominant language of the abatement crew. Before leaving the work area each person shall: vacuum or wet-wipe any gross contamination from protective clothing, proceed to the Decontamination (Decon) Unit and remove all clothing except respirator. While still wearing the respirator, the worker shall proceed naked to the shower and clean the respirator and self, using soap and water, and rinse self in the shower. All PPE will be disposed of in a receptacle for hazardous waste. All waste water will be disposed of in accordance with 40 CFR 761.61(a)(5)(iv).

Following showering and drying off, each person shall proceed directly to the Clean Room and dress in street clothes at the end of each day's work or before eating or taking a break. Smoking, drinking, eating, or chewing gum or tobacco in the abatement area is strictly prohibited.

#### **Work Area Preparation and Procedure (Exterior/Interior Building Material):**

Prior to initiating PCB Removal the following site controls will be implemented (see attached figure with location of fenced storage area).

- Remediation Contractor shall prepare a Health & Safety Plan (HASP) developed specific to the site and work activities to be performed. All workers shall follow applicable federal and state regulation with regard to work activities, including but not limited to OSHA regulation including personal protection and respiratory protection requirements.
- Prior to any soil removal work, the boundaries of the excavation area shall be marked, properly secured, and a permit number obtained from "Call Before You Dig" shall be obtained.
- The project site shall be enclosed by a temporary construction fence. During all remediation activities, Remediation Contractor shall maintain control of all entrances and exits to the project site to ensure only authorized personnel enter the work areas and are

Wiese Construction, Inc.  
282 Franklin Street  
Norwich, CT 06360

Tel: 860-889-4973

Fax: 860-889-5035

Mel@wiese-construction.com

afforded proper personal protective equipment and as required respiratory protection. All approaches to work areas shall be demarcated with appropriately worded warning signs.

- Work zones shall be established in accordance with technical specification to include abatement zone, decontamination zone and support zone.
- Ground protection to prevent debris from escaping the abatement zone and to protect areas outside of abatement zone from PCB contamination shall be utilized. Protection shall include the use of water impervious membrane covering which shall be secured to the ground surface. Edges shall be raised to prevent water run-off used for dust control during cutting and demolition of structures. The membrane shall be covered with a single layer of 6-mil polyethylene sheeting securely fastened to foundation. Refer to technical specification section for requirements.
- Isolation barriers shall be installed on interior side of window and door systems to isolate these systems to the building exterior where work shall be performed. Protection shall include two layers of 6-mil polyethylene sheeting securely affixed to the inside finish surfaces of walls to isolate window or door systems to the building exterior. Refer to technical specification section for requirements.
- Isolation barriers shall be installed on exterior side of window and door systems to contain these systems where work shall be performed to minimize dispersal of dust and debris. Protection shall include two layers of 6-mil polyethylene sheeting securely affixed to the exterior side finish surfaces to contain window or door systems. To minimize dust and debris contractor shall utilize negative pressure containment with use of negative air filtration units with HEPA filtration. Refer to technical specification section for requirements.
- Isolation barriers shall be installed in the interior of rooms containing floor and interior wall joints where work shall be performed to minimize dispersal of dust and debris. Protection shall include two layers of 6-mil polyethylene sheeting securely affixed to the exterior side finish surfaces to contain window or door systems. To minimize dust and debris contractor shall utilize negative pressure containment with use of negative air filtration units with HEPA filtration. Refer to technical specification section for requirements.
- Isolation barriers shall be installed on exterior side of expansion joints to contain these systems where work shall be performed to minimize dispersal of dust and debris. Protection shall include two layers of 6-mil polyethylene sheeting securely affixed to the interior side finish surfaces to contain expansion joints. To minimize dust and debris

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Mel@wiese-construction.com

contractor shall utilize negative pressure containment with use of negative air filtration units with HEPA filtration. Refer to technical specification section for requirements.

- All other openings to the building interior such as unit ventilation, ducts, and grilles shall be securely sealed with a single layer of 6-mil polyethylene sheeting from the building exterior. Refer to technical specification section for requirements.
- Ground protection and isolation barriers shall remain in place throughout work to collect dust and debris resulting from PCB Bulk Product Waste removal and Bulk PCB Remediation Waste removal. All debris generated during operations including but not limited to visible caulking, dust and debris shall be HEPA vacuumed continuously throughout the work shift and at the end of a work shift to avoid accumulation. Any tears or rips that occur in protections shall be repaired or removed and replaced with new protections.
- It is anticipated that to facilitate the work movable staging or lifts will be utilized to access window systems. Wind screens consisting of 6-mil polyethylene sheeting shall be applied to staging or lift to prevent dispersal of dust and debris beyond the abatement zone. Platforms shall also be protected as appropriate to facilitate cleaning of dust and debris but not introduce trip or slip hazards.
- All equipment utilized to perform cutting, or demolition of adjacent materials shall be equipped with appropriate dust collection systems.
- All surfaces adjacent to materials removed shall be properly decontaminated upon completing the removal of PCB Bulk Product Waste. The work to cut and remove Bulk Product Waste will result in dust on surfaces to remain and this dust may contain PCBs. All visible dust shall be removed using HEPA vacuums and wet cleaning methods with solvent or other acceptable products.
- Appropriate PCB waste containers shall be placed adjacent to abatement zones. Containers shall be lined covered and secured. The PCB waste containers shall be properly marked as described in 40 CFR part 761.40 and 761.45.
- PCB storage area will be lockable and clearly marked as PCB waste. Storage area will be kept locked at all times.



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### **Tools/Equipment Decontamination:**

Prior to the removal of any equipment (e.g. lift equipment, concrete cutting blades, hand tools, scaffolding) from various Abatement Zones, the equipment will be decontaminated. At a minimum, this decontamination will include brushing all loose materials from equipment. The Contractor will collect wipe samples from decontaminated surfaces. In the event that wipe sample results indicated that equipment is PCB contaminated, more aggressive decontamination will be used. Equipment will be rinsed with hexane followed by scrubbing with detergent/water solution followed by rinsing with a methanol solution followed by a water rinse. Decontamination liquids will be disposed of as per 40 CFR 761.61(a)(5)(iv). Cleaning materials such as rags, etc., will be disposed of as PCB Remediation Waste  $\geq 50$  ppm.

### **Hazardous Material Storage and Disposal:**

This section describes the on-site temporary storage of PCBs wastes and lists the disposal facilities selected for transport and disposal of the wastes at this time, lined, and covered waste containers (roll-off containers or equivalent) or 55-gallon DOT-approved containers will be staged for the collection of PCB wastes generated during the work activities in accordance with 40 CFR 761.65. The roll-off containers will be staged near the work areas. All containers will be properly labeled and marked in accordance with 40 CFR 761.40 with stickers.

- ❖ PCB remediation waste (< 50 ppm) (Soils) will be segregated for disposal and transported under a Bill of Lading and disposed of at the E.Q. Wayne Michigan, Wayne, MI.
- ❖ PCB Bulk Product Waste will be segregated for disposal and transported under a Bill of Lading and disposed of at the Minerva Landfill in Waynesburg, OH.

Any water generated during decontamination (or as part of dust suppression) that is collected on polyethylene sheeting will be containerized on site, sampled, and designated for off-site disposal in accordance with 40 CFR § 761.61(b)(1) or decontaminated to levels in accordance with 40 CFR 761.61(a)(4)(iv) at Veolia ES Technical Solutions of Flanders, NJ. Wiese Construction, Inc., will be responsible for all packaging, labeling, transport, disposal and record-keeping associated with PCB waste in accordance with all Federal, State and Local regulations.

A representative of the Owner will sign all manifests and bills of lading for all waste. Wiese Construction, Inc., will provide to the transporter at the time of transfer appropriate shipping records as required by Federal, State and Local regulations with a copy to the project engineer.

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Norwich, CT 06360

Tel: 860-889-4973

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Wiese Construction, Inc, will maintain proper follow-up procedures to assure that waste materials have been received by the designated waste site in a timely manner and in accordance with all Federal, State and Local regulations.

Wiese Construction, Inc., will assure that disposal of PCB waste is at a facility approved to accept such waste and shall provide a tracking manifest form signed by the landfill's authorized representative.

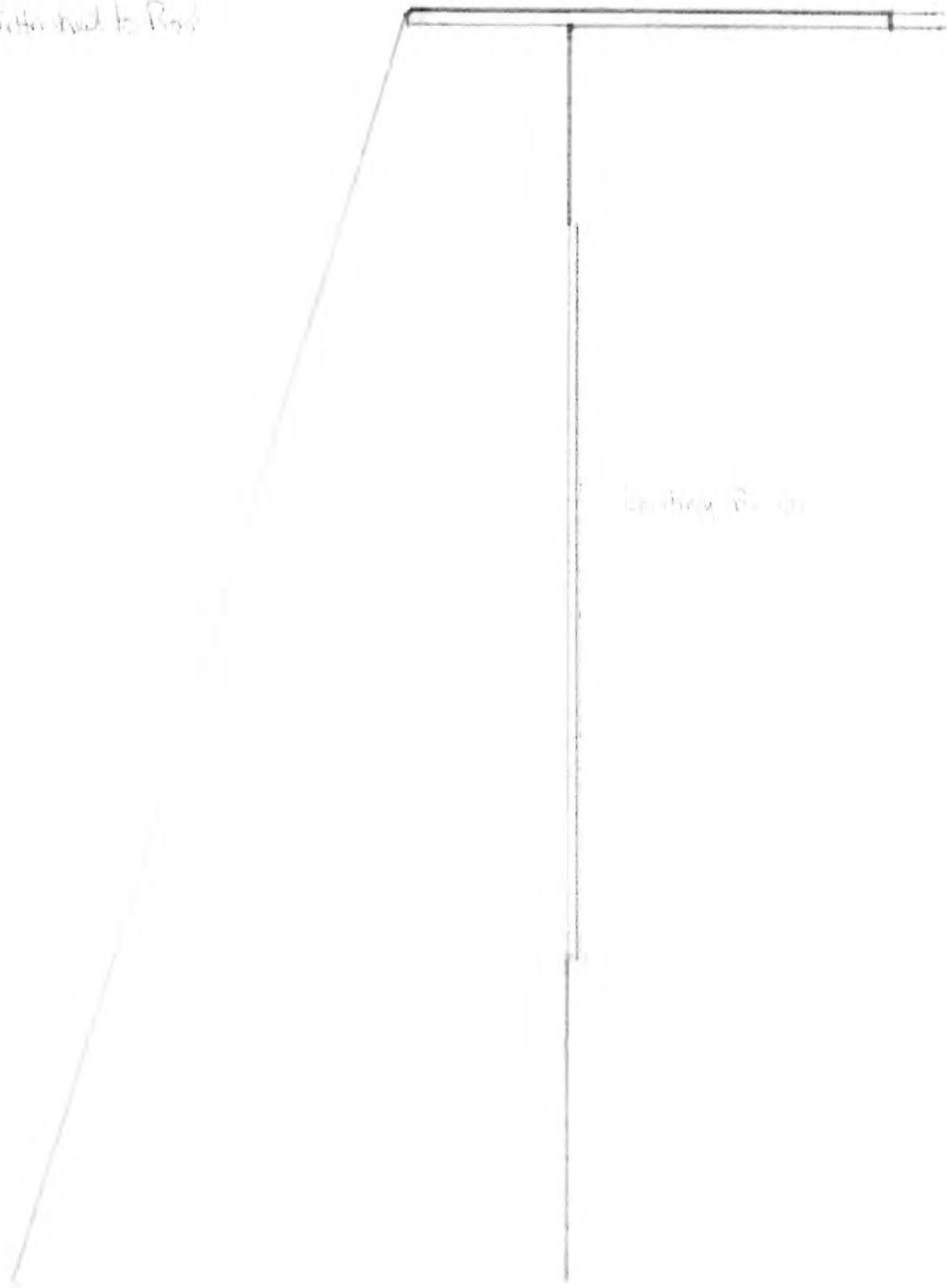


# Containment Diagram

 PCB Containing Vault

 Isolation barrier

 Overlying Support attached to Roof



MENTAL ENVIRONMENTAL  
ARCHITECTS, P.C.

CREC

CREC Discovery Academy

175 Carpenter Avenue  
Stamford, CT

FUSS & O'NEILL

175 Carpenter Avenue  
Stamford, CT 06907  
Tel: 203.359.1100  
Fax: 203.359.1101  
www.fussandoneill.com

B-1 Documents - For  
Construction

NOTED  
H248000-144-299-1.1  
JES/10/10/10

HM-002

- Area of Exterior PCB Caulk Scheduled for Remediation
- Waste Container Storage Area
- Area of PCB Soils Scheduled for Remediation
- Area of Wall & Floor Caulk Joint Scheduled for Remediation

Notes:

- Isolation barriers to be installed as per PCB Specifications
- Decontamination System to be utilized at all areas of remediation
- All equipment & tools to be decontaminated prior to leaving work area
- Waste to be properly secured before leaving work area
- Waste containers to be kept inside locked chain link enclosure

# PCB PLAN

## Appendix C

---

### 4) Laboratory Notification Acceptance Letter

### Acknowledgement of PCB Cleanup and Disposal Plan Approval

The undersigned has reviewed the Self-Implementing On-Site Cleanup and Disposal Plan dated November 13, 2012 and Revised on February 22, 2013 and March 7, 2013 as prepared by Fuss & O'Neill EnviroScience, LLC for the Capital Region Education Council (CREC) Discovery Academy located at 176 Cumberland Avenue in Wethersfield, CT, and the U.S. Environmental Protection Agency (USEPA) letter dated March 27, 2013 approving the plans with conditions.

Con-Test Analytical Laboratory understands the requirements of the plan and the conditions and agrees to abide by the requirements of said document in the performance of the work for PCB cleanup at Discovery Academy in Wethersfield, CT.

MM Guler

Laboratory Representative Signature

4/4/13

Date

Michael Erickson

Laboratory Representative Printed Name

39 Spruce St.

Laboratory Address

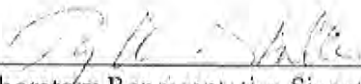
East Longmeadow, MA 01028

City, State and Zip

### Acknowledgement of PCB Cleanup and Disposal Plan Approval

The undersigned has reviewed the Self-Implementing On-Site Cleanup and Disposal Plan dated November 13, 2012 and Revised on February 22, 2013 and March 7, 2013 as prepared by Fuss & O'Neill EnviroScience, LLC for the Capital Region Education Council (CREC) Discovery Academy located at 176 Cumberland Avenue in Wethersfield, CT, and the U.S. Environmental Protection Agency (USEPA) letter dated March 27, 2013 approving the plans with conditions.

Phoenix Environmental Laboratories understands the requirements of the plan and the conditions and agrees to abide by the requirements of said document in the performance of the work for PCB cleanup at Discovery Academy in Wethersfield, CT.

  
Laboratory Representative Signature

4/4/13  
Date

Phyllis Shiller  
Laboratory Representative Printed Name

557 East Middle Turnpike  
Laboratory Address

Wethersfield, CT 06094  
City, State and Zip

## Appendix D

---

### 1) Bulk Verification Sampling Results





South Blatg  
North wall

Wednesday, March 05, 2014

STLR areas 7, 8, 12, 13

Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG13708 - BG13725

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13708

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	93	%	02/28/14	AW	30 - 150 %
% TCMX	99	%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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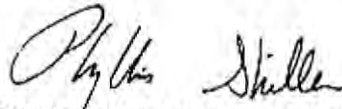
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

March 05, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13709

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-02

<u>Parameter</u>	<u>Result</u>	<u>RL/ PQL</u>	<u>Units</u>	<u>Date/Time</u>	<u>By</u>	<u>Reference</u>
Percent Solid	98		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.51	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	87	%	02/28/14	AW	30 - 150 %
% TCMX	93	%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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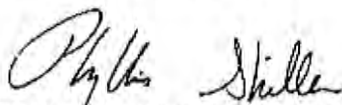
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

March 05, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13710

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	02/27/14	I	E160.3
Extraction for PCB	Completed			03/03/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	03/04/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	108	%	03/04/14	AW	30 - 150 %
% TCMX	99	%	03/04/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

March 05, 2014

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/27/14 0:00  
02/27/14 15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13711

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	86	%	02/28/14	AW	30 - 150 %
% TCMX	90	%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

March 05, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/27/14 0:00  
02/27/14 15:38

## Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13712

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	89	%	02/28/14	AW	30 - 150 %
% TCMX	88	%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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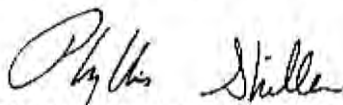
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 05, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/27/14 0:00  
02/27/14 15:38

## Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13713

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	84	%	02/28/14	AW	30 - 150 %
% TCMX	87	%	02/28/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

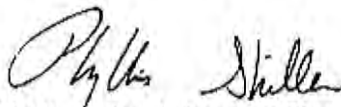
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

March 05, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/27/14 0:00  
02/27/14 15:38

## Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13714

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	66	%	02/28/14	AW	30 - 150 %
% TCMX	69	%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

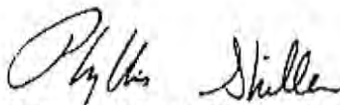
**Comments:**

100% Solid Assumed

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Phyllis Shiller, Laboratory Director

March 05, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/27/14 0:00  
02/27/14 15:38

## Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13715

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	72	%	02/28/14	AW	30 - 150 %
% TCMX	51	%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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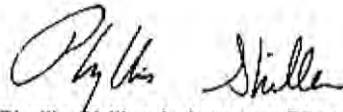
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director

March 05, 2014

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Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/27/14 0:00  
02/27/14 15:38

## Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13716

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	76	%	02/28/14	AW	30 - 150 %
% TCMX	75	%	02/28/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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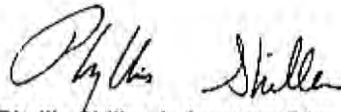
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director

March 05, 2014

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Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

### Date

02/27/14

### Time

0:00

02/27/14

15:38

## Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13717

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	79		%	02/28/14	AW	30 - 150 %
% TCMX	81		%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 05, 2014

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/27/14 0:00  
02/27/14 15:38

## Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13718

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	102	%	02/28/14	AW	30 - 150 %
% TCMX	76	%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 05, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/27/14 0:00  
02/27/14 15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13719

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	100		%	02/28/14	AW	30 - 150 %
% TCMX	87		%	02/28/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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March 05, 2014

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/27/14 0:00  
02/27/14 15:38

## Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13720

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-14

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	83	%	02/28/14	AW	30 - 150 %
% TCMX	68	%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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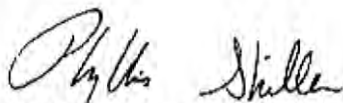
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 05, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/27/14 0:00  
02/27/14 15:38

## Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13721

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	87	%	02/28/14	AW	30 - 150 %
% TCMX	81	%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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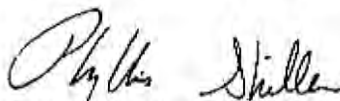
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 05, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/27/14 0:00  
02/27/14 15:38

## Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13722

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-16

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	78		%	02/28/14	AW	30 - 150 %
% TCMX	81		%	02/28/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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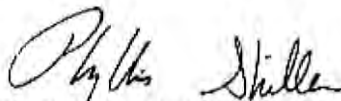
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 05, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/27/14 0:00  
02/27/14 15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13723

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-17

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	77	%	02/28/14	AW	30 - 150 %
% TCMX	72	%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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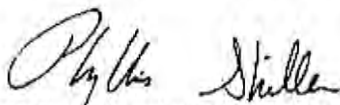
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 05, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/27/14 0:00  
02/27/14 15:38

## Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13724

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-18

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	91		%	02/28/14	AW	30 - 150 %
% TCMX	86		%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 05, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/27/14 0:00  
02/27/14 15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13725

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-DUP

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	92		%	02/28/14	AW	30 - 150 %
% TCMX	90		%	02/28/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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March 05, 2014

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Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

March 05, 2014

### QA/QC Data

SDG I.D.: GBG13708

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 267577, QC Sample No: BG13270 (BG13708, BG13709, BG13710, BG13711, BG13712, BG13713)									
<b>Polychlorinated Biphenyls - Solid</b>									
PCB-1016	ND	112	119	6.1				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	139	145	4.2				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	111	126	130	3.1				30 - 150	30
% TCMX (Surrogate Rec)	115	122	126	3.2				30 - 150	30

**Comment:**

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 267681, QC Sample No: BG13725 (BG13714, BG13715, BG13716, BG13717, BG13718, BG13719, BG13720, BG13721, BG13722, BG13723, BG13724, BG13725)

**Polychlorinated Biphenyls - Solid**

PCB-1016	ND	89	95	6.5	78	85	8.6	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	109	108	0.9	96	95	1.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	102	112	112	0.0	100	100	0.0	30 - 150	30
% TCMX (Surrogate Rec)	92	102	100	2.0	88	93	5.5	30 - 150	30

I = This parameter is outside laboratory lcs/lcsd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

March 05, 2014

# Sample Criteria Exceedences Report

GBG13708 - FO-PCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG13708, BG13709, BG13710, BG13711, BG13712, BG13713, BG13714, BG13715, BG13716, BG13717, BG13718, BG13719, BG13720, BG13721, BG13722, BG13723, BG13724, BG13725

**Sampling Date(s):** 2/27/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☒ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☐ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? See Section: PCB Narration.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

Authorized  
Signature:

*Ethan Lee*

Date: Wednesday, March 05, 2014

Printed Name: Ethan Lee

Position: Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

March 05, 2014

SDG I.D.: GBG13708

---

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 267577 (Samples: BG13708, BG13709, BG13710, BG13711, BG13712, BG13713): ----

The LCSD recovery is above the method criteria for PCB-1260. This analyte was not reported in the sample, therefore no significant bias is suspected.

**Instrument:** Au-ecd1 02/28/14-1 (BG13718, BG13719, BG13720, BG13725)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/28/2014

**Instrument:** Au-ecd5 02/28/14-1 (BG13708, BG13709, BG13710, BG13711, BG13714, BG13715, BG13722)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/28/2014

**Instrument:** Au-ecd5 03/04/14-1 (BG13710)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 3/4/2014

**Instrument:** Au-ecd8 02/28/14-1 (BG13712, BG13713, BG13716, BG13717)

8082 Narration:



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Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

March 05, 2014

SDG LD.: GBG13708

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/28/2014

**QC Comments:** QC Batch 267577 02/26/14 (BG13708, BG13709, BG13710, BG13711, BG13712, BG13713)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

### QC (Site Specific)

----- Sample No: BG13725, QA/QC Batch: 267681 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### QC (Batch Specific)

----- Sample No: BG13270, QA/QC Batch: 267577 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: PCB-1260(145%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples in this delivery group were received at 3°C.  
(Note acceptance criteria is above freezing up to 6°C)



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
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## **RCP Certification Report**

**March 05, 2014**

**SDG I.D.: GBG13708**





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- ☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

# 2012 CHAIN-OF-CUSTODY RECORD 1334

<b>PROJECT NAME</b> Discovery Academy 1716 Cumberland Ave, Wethersfield CT		<b>PROJECT LOCATION</b> 20110979.AZE		<b>PROJECT NUMBER</b> PHOENIX		<b>LABORATORY</b> Containers	
<b>REPORT TO:</b> KATHLEEN PANE		<b>INVOICE TO:</b> HARRON REDFIELD		<b>ANALYSIS REQUEST</b>		<b>CONTAINERS</b>	
<b>P.O. No.:</b> 20110979.AZE		<b>SAMPLER'S SIGNATURE:</b> <i>Stacy Vandenberg</i>		<b>DATE:</b> 2-20-14		<b>COMMENTS</b>	
<b>SOURCE CODES:</b> MW=Monitoring Well SW=Surface Water		<b>PW=Potable Water</b> <b>T=Treatment Facility</b>		<b>S=Soil</b> <b>B=Sediment</b>		<b>W=Waste</b> <b>A=Air</b>	
<b>X=Other</b> BRICK							

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Comments
11	✓	002214-SV	-11	X		Plastic - NaOH, 250 ml ( ) Unfilled
12	✓		-12			Plastic - HNO <sub>3</sub> , 250 ml ( ) Filled
13	✓		-13			Plastic - As is ( ) As is ( ) HCl
14	✓		-14			Plastic - As is ( ) As is ( ) H <sub>2</sub> SO <sub>4</sub>
15	✓		-15			Plastic - As is ( ) As is ( ) H <sub>2</sub> SO <sub>4</sub>
16	✓		-16			Plastic - As is ( ) As is ( ) H <sub>2</sub> SO <sub>4</sub>
17	✓		-17			Plastic - As is ( ) As is ( ) H <sub>2</sub> SO <sub>4</sub>
18	✓		-18			Plastic - As is ( ) As is ( ) H <sub>2</sub> SO <sub>4</sub>
19	✓		-DUP			Plastic - As is ( ) As is ( ) H <sub>2</sub> SO <sub>4</sub>

<b>Relinquished By</b> <i>Stacy Vandenberg</i>	<b>Accepted By</b> THOMAS	<b>Date</b> 2/27/14	<b>Time</b> 15:38	<b>Reporting and Detection Limit Requirements:</b> <1 ppm
<b>Additional Comments:</b> (66) SOUTH BLDG NORTH WALL (1) SAMPLE @ 0.0"-0.5" DEPTH (4) CONNECTOR WEST VERTICAL (Area 13) (2) EAST VERTICAL (Area 8) (3) CONNECTOR EAST VERTICAL (Area 7) (5) WEST VERTICAL (Area 12)				

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-03

Phoenix I.D.: BG12667

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

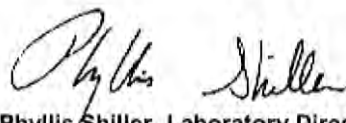
**Comments:**

100% Solid Assumed

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Phyllis Shiller, Laboratory Director

February 28, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 28, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date Time

02/25/14 0:00  
02/25/14 15:25

## Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12668

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	85		%	02/28/14	AW	30 - 150 %
% TCMX	90		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-04

Phoenix I.D.: BG12668

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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February 28, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 28, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

Date Time

02/25/14 0:00  
02/25/14 15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12669

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	80		%	02/26/14	AW	30 - 150 %
% TCMX	72		%	02/26/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-05

Phoenix I.D.: BG12669

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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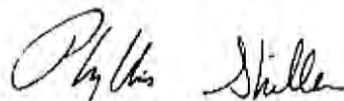
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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February 28, 2014





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 28, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/25/14	0:00
02/25/14	15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12670

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	0.56	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	109		%	02/26/14	AW	30 - 150 %
% TCMX	111		%	02/26/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-06

Phoenix I.D.: BG12670

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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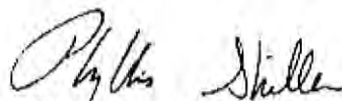
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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February 28, 2014



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 28, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date Time

02/25/14 0:00  
02/25/14 15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12671

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	54		%	02/26/14	AW	30 - 150 %
% TCMX	61		%	02/26/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-07

Phoenix I.D.: BG12671

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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February 28, 2014



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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 28, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/25/14	0:00
02/25/14	15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12672

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	71		%	02/26/14	AW	30 - 150 %
% TCMX	78		%	02/26/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-08

Phoenix I.D.: BG12672

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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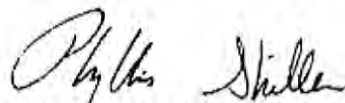
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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February 28, 2014



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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 28, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/25/14	0:00
02/25/14	15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12673

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	89		%	02/26/14	AW	30 - 150 %
% TCMX	92		%	02/26/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-09

Phoenix I.D.: BG12673

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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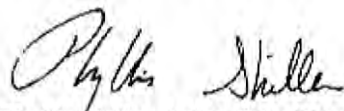
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 28, 2014



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 28, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date      Time

02/25/14      0:00  
02/25/14      15:25

## Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12674

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.49	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	93		%	02/26/14	AW	30 - 150 %
% TCMX	93		%	02/26/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-10

Phoenix I.D.: BG12674

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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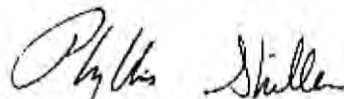
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 28, 2014



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 28, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date Time

02/25/14 0:00  
02/25/14 15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12675

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	60		%	02/26/14	AW	30 - 150 %
% TCMX	64		%	02/26/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-11

Phoenix I.D.: BG12675

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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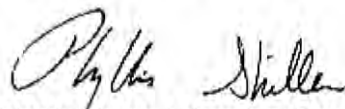
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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February 28, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 28, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/25/14	0:00
02/25/14	15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12676

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	86		%	02/26/14	AW	30 - 150 %
% TCMX	88		%	02/26/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-12

Phoenix I.D.: BG12676

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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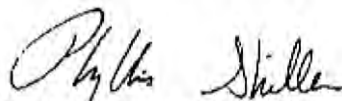
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 28, 2014





FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

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☐ 28 Irwin Drive, West Springfield, MA 01099

- ☐ 50 Redwood Street, Suite 100, Boston, MA 02122  
☐ 275 Providence Street, Suite 250, Providence, RI 02908  
☐ 80 Washington Street, Suite 201, Troughloup, NY 12067

## CHAIN-OF-CUSTODY RECORD 1331

PROJECT NAME

Discovery Academy 1710 Cumberland Ave, Wrentham, MA 01905

PROJECT LOCATION

PROJECT NUMBER

20110979, AZE

LABORATORY

PHOENIX

REPORT TO: KATHLEEN FANE

INVOICE TO: HARRON BENTLEY

P.O. NO.: 20110979, AZE

Analysis Request

Containers

PHOENIX

LABORATORY

PHOENIX

Sampler's Signature: *[Signature]*

Date: 2-25-14

Source Codes: MW - Monitoring Well PG - Potable Water S - Soil W - Water  
SW - Sewer or Dec. Water TS - Treatment Facility U - Sediment A - Air

X Other: BRACK

Transfer Check: 1 2 3 4

Item No.

1

2

3

4

5

6

7

8

9

10

Source Code

Sample Number

Time Samples

Time

Comments

12065

12066

12067

12068

12069

12070

12071

12072

12073

12074

12075

12076

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- ☐ 97 Northfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Essex Street, Suite 350, Providence, RI 02908
- ☐ 80 Westinghouse Street, Suite 201, Foxborough, MA 01935

## CHAIN-OF-CUSTODY RECORD 1332

add

PROJECT NAME

DISCOVERY ACADEMY 1716 CUMBERLAND AVE WINTERFIELD CT 20110979 AZE

PROJECT NUMBER

LABORATORY

PHOENIX

REPORT TO: ~~BARBARA HATHIGEN PANE~~ ANALYSIS REQUEST

INVOICE TO: ~~BARBARA HATHIGEN PANE~~

P.O. NO.: 20110979 AZE

SAMPLER'S SIGNATURE: *[Signature]* DATE: 2-25-14

SOURCE CODE:   
 Mfg - Manufacturer   
 SW - Surface Water   
 W - Waste   
 A - Air

BRICK

Item No.	Transfer Check	Surp. Number	Source Code	Date Sampled	Time Sampled
11	1	022514-SV-11	X	2-25-14	
12	1	-12	X		

EPA 823/504/107

Container	Volume	Material	Analysis
1	12.5L	12.5L	12.5L
2	12.5L	12.5L	12.5L

Transfer Number

Relinquished By

Accepted By

Date

Reporting and Detection Limit Requirements

Yr

*[Signature]*

*[Signature]*

2/25/14

15.75

Additional Comments: (15) SOUTH BUILDING - WEST WALL WINDOWS

<1 ppm

SIDP AREA 11

(1) NORTH VERTICAL

(2) SOUTH VERTICAL

(3) SAMPLE @ 0.0" DEPTH



Monday, March 03, 2014

Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG12665 - BG12676

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 03, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date

02/25/14  
02/25/14

### Time

0:00  
15:25

## Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12665

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	82		%	02/26/14	AW	30 - 150 %
% TCMX	84		%	02/26/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 03, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date

02/25/14  
02/25/14

### Time

0:00  
15:25

## Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12666

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	81		%	02/26/14	AW	30 - 150 %
% TCMX	90		%	02/26/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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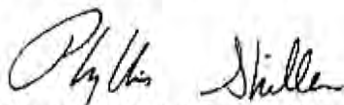
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director

March 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager





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## Analysis Report

March 03, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

Date Time

02/25/14 0:00  
02/25/14 15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12667

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/26/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	80	%	02/26/14	AW	30 - 150 %
% TCMX	84	%	02/26/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

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## Analysis Report

March 03, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date Time

02/25/14 0:00  
02/25/14 15:25

## Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12668

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	85		%	02/28/14	AW	30 - 150 %
% TCMX	90		%	02/28/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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## Analysis Report

March 03, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date Time

02/25/14 0:00  
02/25/14 15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12669

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	80		%	02/26/14	AW	30 - 150 %
% TCMX	72		%	02/26/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

March 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 03, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/25/14	0:00
02/25/14	15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12670

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	0.56	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	109		%	02/26/14	AW	30 - 150 %
% TCMX	111		%	02/26/14	AW	30 - 150 %

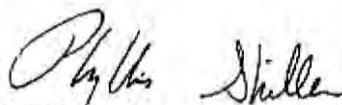


Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel: (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 03, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

Date	Time
02/25/14	0:00
02/25/14	15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12671

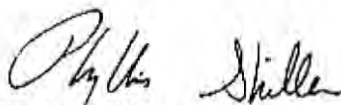
Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	54		%	02/26/14	AW	30 - 150 %
% TCMX	61		%	02/26/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level						

**Comments:**

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Phyllis Shiller, Laboratory Director

March 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 03, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

Date	Time
02/25/14	0:00
02/25/14	15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12672

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	71		%	02/26/14	AW	30 - 150 %
% TCMX	78		%	02/26/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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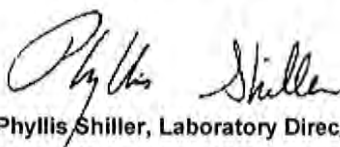
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 03, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/25/14	0:00
02/25/14	15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12673

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	89		%	02/26/14	AW	30 - 150 %
% TCMX	92		%	02/26/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager





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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 03, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date Time

02/25/14 0:00  
02/25/14 15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12675

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	60		%	02/26/14	AW	30 - 150 %
% TCMX	64		%	02/26/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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March 03, 2014

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## Analysis Report

March 03, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date Time

02/25/14 0:00  
02/25/14 15:25

## Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12676

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.69	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	86		%	02/26/14	AW	30 - 150 %
% TCMX	88		%	02/26/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-12

Phoenix I.D.: BG12676

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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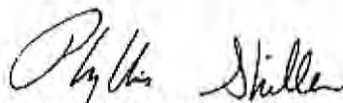
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

March 03, 2014

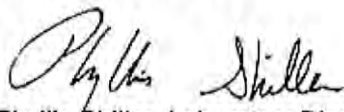
### QA/QC Data

SDG I.D.: GBG12665

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 267459, QC Sample No: BG12673 (BG12665, BG12666, BG12667, BG12668, BG12669, BG12670, BG12671, BG12672, BG12673, BG12674, BG12675, BG12676)									
<b>Polychlorinated Biphenyls - Solid</b>									
PCB-1016	ND	68	82	18.7	93	89	4.4	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	78	95	19.7	108	102	5.7	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	84	71	83	15.6	95	90	5.4	30 - 150	30
% TCMX (Surrogate Rec)	84	76	87	13.5	99	94	5.2	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria  
Intf - Interference

  
Phyllis Shiller, Laboratory Director  
March 03, 2014

Monday, March 03, 2014

Criteria: None

State: CT

SampNo    Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL  
Criteria

Analysis  
Units

Page 1 of 1

## Sample Criteria Exceedences Report

GBG12665 - FO-PCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG12665, BG12666, BG12667, BG12668, BG12669, BG12670, BG12671, BG12672, BG12673, BG12674, BG12675, BG12676

**Sampling Date(s):** 2/25/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☒ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☐ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Monday, March 03, 2014

Printed Name: Ethan Lee

Position: Project Manager





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

March 03, 2014

SDG I.D.: GBG12665

---

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd24 02/26/14-1 (BG12672, BG12673, BG12674, BG12675, BG12676)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/26/2014

**Instrument:** Au-ecd3 02/26/14-1 (BG12665, BG12666, BG12667, BG12668, BG12669, BG12670, BG12671)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/26/2014

**Instrument:** Au-ecd8 02/28/14-1 (BG12668)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/28/2014



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Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**March 03, 2014**

**SDG I.D.: GBG12665**

---

### **QC (Site Specific)**

----- Sample No: BG12673, QA/QC Batch: 267459 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### **Temperature Narration**

The samples in this delivery group were received at 1°C.  
(Note acceptance criteria is above freezing up to 6°C)



FUSS & O'NEILL ENVIRONMENTAL, LLC

Disciplines to Deliver

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56 Quarry Road, Trumbull, CT 06611

1419 Richland Street, Columbia, SC 29201

78 Interstate Drive, West Springfield, MA 01089

50 Redfield Street, Suite 100, Boston, MA 02122

275 Promenade Street, Suite 350, Providence, RI 02908

80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1331

10/2

PROJECT NAME

Discovery Academy 1716 Cumberland Ave, Wethersfield CT

PROJECT LOCATION

20110979.A2E

PROJECT NUMBER

20110979.A2E

LABORATORY

PHOENIX

REPORT TO: KATHLEEN RANE

INVOICE TO: HARRON BENFIELD

P.O. No.: 20110979.A2E

Sampler's Signature: *[Signature]*

Date: 2-25-14

Source Codes:

MW=Monitoring Well

SW=Surface Water

T=Treatment Facility

S=Soil

B=Sediment

W=Waste

A=Air

X=Other

BRICK

Date: 2-25-14

Date: 2-25-14

Date: 2-25-14

Date: 2-25-14

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Date: 2-25-14

Date: 2-25-14

Transfer Number

1

2

3

4

Relinquished By

*[Signature]*

Accepted By

*[Signature]*

Date

2/25/14

Time

5:25

Reporting and Detection Limit Requirements:

<1 ppm

Additional Comments: ① NORTH VERTICAL

② SOUTH VERTICAL

③ SAMPLE AT 0.0"-0.5" DEPTH

④ SOUTH BUILDING - WEST WALL WINDOWS

⑤ DP AREA 11



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☐ 275 Promenade Street, Suite 350, Providence, RI 02908

☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1332

2012

☐ 1 Day\* ☒ 3 Days\* ☐ Standard (\_\_\_ days) ☐ Other \_\_\_ (days)  
☐ 2 Days\* ☐ Surcharge Applies

PROJECT NAME PROJECT LOCATION

PROJECT NUMBER

LABORATORY

PHOENIX

DISCOVERY ACADEMY 176 CUMBERLAND AVE WETHERFIELD CT 20110979.AZE

REPORT TO: ~~HARRON~~ HATHLEEN PANE

INVOICE TO: HARRON REDFIELD

P.O. No.: 20110979.AZE

Sampler's Signature: *[Signature]* Date: 2.25.14

Source Codes:

MW=Monitoring Well

SW=Surface Water

T=Treatment Facility

S=Soil

B=Sediment

W=Waste

A=Air

X=Other BRICK

Transfer Check 1 2 3 4

Item No. 11 12

Sample Number 022514-SV-11 -12

Date Sampled 2-25-14

Source Code X X

Time Sampled

Analysis Request

Containers

Soil VOA Vial ( ) mechanical ( ) water ( ) Na2SO4

Glass Soil Container ( ) water ( ) Na2SO4

Glass Soil Container ( ) water ( ) Na2SO4

Other: ( ) water ( ) Na2SO4

Water VOA Vial ( ) HCl ( ) H2SO4

Glass Amber ( ) HCl ( ) H2SO4

Plastic - As is ( ) 250 ml ( ) 500 ( ) 1000 ml

Plastic - H2SO4 ( ) 250 ml ( ) 500 ( ) 1000 ml

Plastic - HNO3 ( ) 250 ml ( ) 500 ( ) 1000 ml

Plastic - NaOH 250 ml ( ) Unfiltered ( ) Filtered

Comments

1 12675 23

1 12676 23

Transfer Number

1

2

3

4

Relinquished By

*[Signature]*

Accepted By

*[Signature]*

Date

2/25/14

Time

15:25

Reporting and Detection Limit Requirements:

<1 ppm

Additional Comments: ③ SOUTH BUILDING - WEST WALL WINDOWS

① NORTH VERTICAL

② SOUTH VERTICAL

③ SAMPLE @ 0" - 0.5" DEPTH



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13708

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	93		%	02/28/14	AW	30 - 150 %
% TCMX	99		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-01

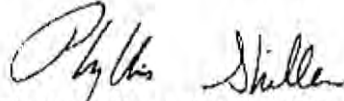
Phoenix I.D.: BG13708

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
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March 04, 2014





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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/27/14 0:00  
02/27/14 15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13709

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.51	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	87		%	02/28/14	AW	30 - 150 %
% TCMX	93		%	02/28/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-02

Phoenix I.D.: BG13709

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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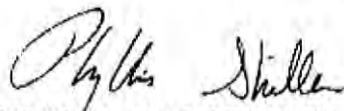
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13710

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	02/27/14	I	E160.3
Extraction for PCB	Completed			03/03/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	03/04/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	108		%	03/04/14	AW	30 - 150 %
% TCMX	99		%	03/04/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-03

Phoenix I.D.: BG13710

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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March 04, 2014



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## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13711

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	86		%	02/28/14	AW	30 - 150 %
% TCMX	90		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-04

Phoenix I.D.: BG13711

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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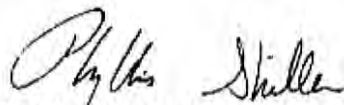
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 04, 2014



Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/27/14 0:00  
02/27/14 15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13712

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	89		%	02/28/14	AW	30 - 150 %
% TCMX	88		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-05

Phoenix I.D.: BG13712

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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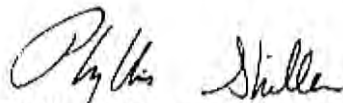
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 04, 2014





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13713

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-06

<u>Parameter</u>	<u>Result</u>	<u>RL/ PQL</u>	<u>Units</u>	<u>Date/Time</u>	<u>By</u>	<u>Reference</u>
Percent Solid	100		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/28/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	84	%	02/28/14	AW	30 - 150 %
% TCMX	87	%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-06

Phoenix I.D.: BG13713

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

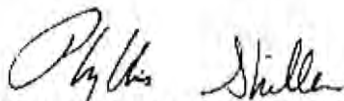
**Comments:**

100% Solid Assumed

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Phyllis Shiller, Laboratory Director  
March 04, 2014



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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13714

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	66		%	02/28/14	AW	30 - 150 %
% TCMX	69		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-08

Phoenix I.D.: BG13714

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

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March 04, 2014



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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/27/14 0:00  
02/27/14 15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13715

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	72		%	02/28/14	AW	30 - 150 %
% TCMX	51		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-09

Phoenix I.D.: BG13715

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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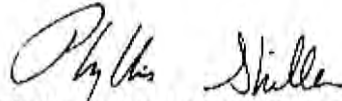
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director  
March 04, 2014



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/27/14 0:00  
02/27/14 15:38

Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13716

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	76		%	02/28/14	AW	30 - 150 %
% TCMX	75		%	02/28/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-10

Phoenix I.D.: BG13716

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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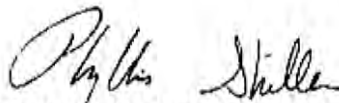
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 04, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13717

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	79		%	02/28/14	AW	30 - 150 %
% TCMX	81		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-11

Phoenix I.D.: BG13717

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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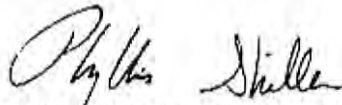
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 04, 2014



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/27/14 0:00  
02/27/14 15:38

Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13718

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	102		%	02/28/14	AW	30 - 150 %
% TCMX	76		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-12

Phoenix I.D.: BG13718

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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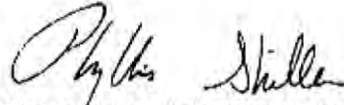
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 04, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13719

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	100		%	02/28/14	AW	30 - 150 %
% TCMX	87		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-13

Phoenix I.D.: BG13719

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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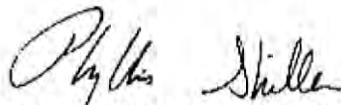
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 04, 2014





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/27/14 0:00  
02/27/14 15:38

## Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13720

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-14

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	83		%	02/28/14	AW	30 - 150 %
% TCMX	68		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-14

Phoenix I.D.: BG13720

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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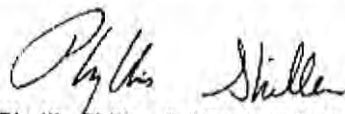
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 04, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13721

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160,3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	87		%	02/28/14	AW	30 - 150 %
% TCMX	81		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-15

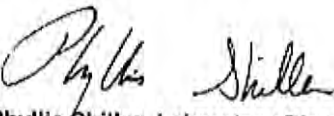
Phoenix I.D.: BG13721

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
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Phyllis Shiller, Laboratory Director  
March 04, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-16

SDG ID: GBG13708  
Phoenix ID: BG13722

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99			02/27/14	I	E160.3
Extraction for PCB	Completed		%	02/27/14	PP/X	SW3540C
<b>PCB (Soxhlet)</b>						
PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
<b>QA/QC Surrogates</b>						
% DCBP	78		%	02/28/14	AW	30 - 150 %
% TCMX	81		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-16

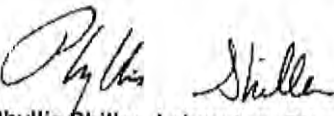
Phoenix I.D.: BG13722

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
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Phyllis Shiller, Laboratory Director  
March 04, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-17

SDG ID: GBG13708  
Phoenix ID: BG13723

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99			02/27/14	I	E160.3
Extraction for PCB	Completed		%	02/27/14	PP/X	SW3540C
<b>PCB (Soxhlet)</b>						
PCB-1016	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	02/28/14	AW	3540C/8082
<b>QA/QC Surrogates</b>						
% DCBP	77		%	02/28/14	AW	30 - 150 %
% TCMX	72		%	02/28/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-17

Phoenix I.D.: BG13723

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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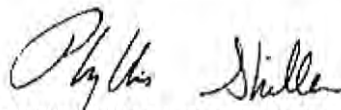
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 04, 2014



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/27/14 0:00  
02/27/14 15:38

Laboratory Data

SDG ID: GBG13708  
Phoenix ID: BG13724

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-18

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/27/14	I	E160.3
Extraction for PCB	Completed			02/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	91		%	02/28/14	AW	30 - 150 %
% TCMX	86		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-18

Phoenix I.D.: BG13724

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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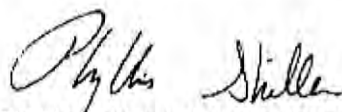
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

March 04, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 04, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by: SV  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/27/14	0:00
02/27/14	15:38

### Laboratory Data

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-DUP

SDG ID: GBG13708  
Phoenix ID: BG13725

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99					
Extraction for PCB	Completed		%	02/27/14	I	E160.3
				02/27/14	PP/X	SW3540C
<b>PCB (Soxhlet)</b>						
PCB-1016	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/28/14	AW	3540C/8082
<b>QA/QC Surrogates</b>						
% DCBP	92		%	02/28/14	AW	30 - 150 %
% TCMX	90		%	02/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022714-SV-DUP

Phoenix I.D.: BG13725

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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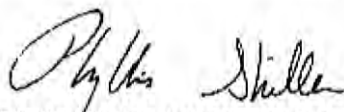
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

March 04, 2014



FUSS & O'NEILL ENVIRONMENTAL, LLC

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- 146 Hudson Road, Nanuet, NY 10954  
56 Quarry Road, Tarrytown, NY 10591  
1479 Richmond Street, Suite 301, West Nyack, NY 10994  
46 Inverness Drive, West Nyack, NY 10994

- 30 Bedford Street, Suite 101, Boston, MA 02122  
250, Brookline Street, Suite 120, Brookline, MA 02148  
100 Washington Street, Suite 301, New York, NY 10038

102

# CHAIN-OF-CUSTODY RECORD

1333

## PROJECT NAME

Discovery Academy

176 Cumberland Ave, West Nyack, NY 10994

PROJECT NUMBER

2010979.AZE

LABORATORY

PHOENIX

REPORT TO: MATHIEUX PANIE

INVOICE TO: HARRON REDFIELD

Analysis Request

Containers

P.O. NO.: 2010979.AZE

Sample's Signature: *Stephan Van der Meer* dated 2-27-14

Source Codes: SW-Monitoring Well (M), SW-Surface Water (S), SW-Treatment Facility (T), SW-Other (O), SW-Unknown (U), SW-Other (O), SW-Unknown (U)

LABORATORY

PHOENIX

Transfer Check

Sample Number

Source Code

Date

Time

Location

Comments

13708

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☒ 78 Lakeside Drive, West Springfield, MA 01109

- ☒ 20 Redfield Street, Suite 100, Rossmore, MA 01222  
☒ 255 Pleasant Street, Suite 150, Providence, RI 02905  
☒ 50 Wadsworth Street, Suite 301, Poughkeepsie, NY 12601

## 2012 CHAIN-OF-CUSTODY RECORD 1334

### PROJECT NAME

Discovery Academy 1716 Cumberland Ave, Wethersfield, CT

### PROJECT LOCATION

20110979.AZE

### PROJECT NUMBER

20110979.AZE

REPORT TO: KATHLEEN FANE

INVOICE TO: KARRON REDFIELD

P.O. NO.: 20110979.AZE

Sampler's Signature: Stacy Vandenberg Date: 2-27-14

Source Codes: MW-Monitoring Well PW-Potential Well SW-Surface Water T-Tankman Facility W-Water A-Air

X Other: BRICK

Analysis Request

### LABORATORY

PHOENIX

Contractors

U 1 Day ☒ 2 Days ☒ Standard (\_\_\_\_) days ☐ Other (\_\_\_\_) days ☐ Storage Analysis

Item No.	Transfer Check	Sample Number	Source Code	To (Sample)	Time Sampled	Comments									
						SW	W	TS	W	TS	W	TS	W	TS	W
11	✓	002714-SV	-11	X		✓									13717
12	✓		-12			✓									13718
13	✓		-13			✓									13719
14	✓		-14			✓									13720
15	✓		-15			✓									13721
16	✓		-16			✓									13722
17	✓		-17			✓									13723
18	✓		-18			✓									13724
19	✓		-DUP			✓									13725

Transfer Number

Relinquished By

Accepted By

Date

Time

Report to and Detection Limit Requirements

< 1 ppm

1 Stacy Vandenberg

THOMAS

2/27/14

15:38

ADDITIONAL COMMENTS: (10) SOUTH BLDG NORTH WALL

2

(1) SAMPLE @ 00-40-5" DEPTH (4) CONNECTOR WEST VERTICAL (AREA 13)

3

(2) EAST VERTICAL (AREA 8)

4

(3) CONNECTOR EAST VERTICAL (AREA 7) (5) WEST VERTICAL (AREA 12)





Tuesday, February 25, 2014

Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Sample ID#s: BG11049 - BG11060

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/20/14 0:00  
02/20/14 15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11049

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	84		%	02/21/14	AW	30 - 150 %
% TCMX	86		%	02/21/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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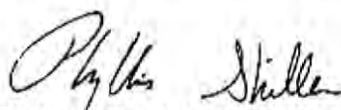
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/20/14	0:00
02/20/14	15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11050

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	81		%	02/21/14	AW	30 - 150 %
% TCMX	84		%	02/21/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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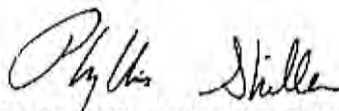
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/20/14	0:00
02/20/14	15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11051

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	114		%	02/21/14	AW	30 - 150 %
% TCMX	85		%	02/21/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date

02/20/14

### Time

0:00

15:14

## Laboratory Data

SDG ID: GBG11049

Phoenix ID: BG11052

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	85		%	02/21/14	AW	30 - 150 %
% TCMX	72		%	02/21/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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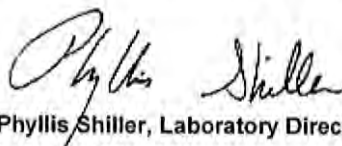
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date

02/20/14

02/20/14

### Time

0:00

15:14

## Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11053

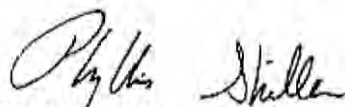
Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	81		%	02/21/14	AW	30 - 150 %
% TCMX	82		%	02/21/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level						

**Comments:**

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Phyllis Shiller, Laboratory Director

February 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/20/14	0:00
02/20/14	15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11054

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	82		%	02/21/14	AW	30 - 150 %
% TCMX	85		%	02/21/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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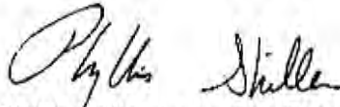
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/20/14 0:00  
02/20/14 15:14

## Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11055

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	126		%	02/21/14	AW	30 - 150 %
% TCMX	130		%	02/21/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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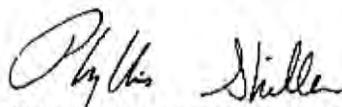
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/20/14 0:00  
02/20/14 15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11056

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	81		%	02/21/14	AW	30 - 150 %
% TCMX	84		%	02/21/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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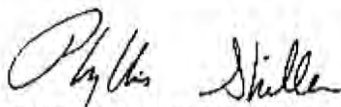
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/20/14 0:00  
02/20/14 15:14

## Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11057

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	77		%	02/21/14	AW	30 - 150 %
% TCMX	81		%	02/21/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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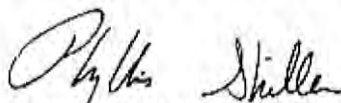
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/20/14	0:00
02/20/14	15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11058

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	77		%	02/21/14	AW	30 - 150 %
% TCMX	81		%	02/21/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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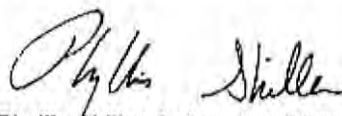
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

February 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/20/14 0:00  
02/20/14 15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11059

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	76		%	02/21/14	AW	30 - 150 %
% TCMX	78		%	02/21/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/20/14 0:00  
02/20/14 15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11060

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	65		%	02/21/14	AW	30 - 150 %
% TCMX	69		%	02/21/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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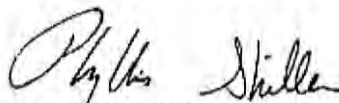
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

February 25, 2014

### QA/QC Data

SDG I.D.: GBG11049

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 267166, QC Sample No: BG10841 (BG11049, BG11050, BG11051, BG11052, BG11053, BG11054, BG11055, BG11056, BG11057, BG11058, BG11059, BG11060)									
<b>Polychlorinated Biphenyls - Solid</b>									
PCB-1016	ND	94	103	9.1				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	105	115	9.1				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	104	103	113	9.3				30 - 150	30
% TCMX (Surrogate Rec)	103	103	108	4.7				30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

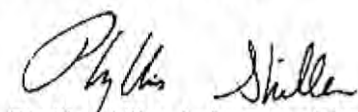
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
February 25, 2014

Tuesday, February 25, 2014

Criteria: None

State: CT

SampNo    Acode    Phoenix Analyte

\*\*\* No Data to Display \*\*\*

## Sample Criteria Exceedences Report

GBG11049 - FO-PCB

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----	----------	----------------

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

**Project Location:** DISCOVERY ACADEMY-176 CU **Project Number:**

**Laboratory Sample ID(s):** BG11049, BG11050, BG11051, BG11052, BG11053, BG11054, BG11055, BG11056, BG11057, BG11058, BG11059, BG11060

**Sampling Date(s):** 2/20/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☒ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☐ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Tuesday, February 25, 2014

Printed Name: Ethan Lee

Position: Project Manager





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

February 25, 2014

SDG I.D.: GBG11049

---

The samples were received by the laboratory at a temperature of 17 degrees C with cooling initiated. No significant bias is suspected.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 02/21/14-1 (BG11052)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/21/2014

**Instrument:** Au-ecd6 02/21/14-1 (BG11049)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/21/2014

**Instrument:** Au-ecd7 02/21/14-1 (BG11049, BG11050, BG11051)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/21/2014

**Instrument:** Au-ecd8 02/21/14-1 (BG11053, BG11054, BG11055, BG11056, BG11057, BG11058, BG11059, BG11060)



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## RCP Certification Report

February 25, 2014

SDG I.D.: GBG11049

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### 8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/21/2014

### QC (Batch Specific)

----- Sample No: BG10841, QA/QC Batch: 267166 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples in this delivery group were received at 17°C.  
(Note acceptance criteria is above freezing up to 6°C)



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- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD

1330

☐ 1 Day\* ☒ 3 Days\* ☐ Other \_\_\_\_\_ (days)  
☐ 2 Days\* ☐ Standard \_\_\_\_\_ (days) \*Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Discovery Academy 176 Cumberland Ave, Wethersfield CT

20110979.AZE

PHOENIX

REPORT TO: KATHLEEN PANE

INVOICE TO: HARRON REDFIELD

P.O. NO.: 20110979.AZE

Sampler's Signature: *[Signature]*

Date: 2-20-14

Source Codes:

MW=Monitoring Well

SW=Surface Water

T=Treatment Facility

X=Other

PW=Potable Water

S=Soil

B=Sediment

W=Waste

A=Air

Brick

Transfer Check

1 2 3 4

Item No.

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☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1329

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

DISCOVERY ACADEMY 176 CUMBERLAND AVE WETHERSFIELD CT

20110979.AZE

PHOENIX

REPORT TO: KATHLEEN PANIE

INVOICE TO: KARRON REDFIELD

P.O. NO.: 20110979.AZE

Sampler's Signature: *Stacy Vanderveen* Date: 2-20-14

Source Codes: MW=Monitoring Well PW=Potable Water S=Soil W=Waste  
SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other BRICK

Analysis Request

Containers

Soil VOA Vol. ( ) methanol	Glass VOA Vol. ( ) water	Glass Soil Container ( ) or	Water VOA Vol. ( ) or	Class Amber ( )	Plastic - As Is ( ) HCl	Plastic - H <sub>2</sub> SO <sub>4</sub> ( ) 250 ml ( ) 500 ml ( ) 1000 ml	Plastic - HNO <sub>3</sub> ( ) 250 ml ( ) 500 ml ( ) 1000 ml	Plastic - NaOH, 250 ml ( ) Unfiltered ( ) Filtered ( ) 300 ml	Comments
Soil VOA Vol. ( ) methanol	Glass VOA Vol. ( ) water	Glass Soil Container ( ) or	Water VOA Vol. ( ) or	Class Amber ( )	Plastic - As Is ( ) HCl	Plastic - H <sub>2</sub> SO <sub>4</sub> ( ) 250 ml ( ) 500 ml ( ) 1000 ml	Plastic - HNO <sub>3</sub> ( ) 250 ml ( ) 500 ml ( ) 1000 ml	Plastic - NaOH, 250 ml ( ) Unfiltered ( ) Filtered ( ) 300 ml	

Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Analysis Request	Containers	Comments
1	/	022014-SV-01	X	2-20-14	11:04:49	/	Plastic - As Is ( ) HCl	1
2	/	-02			11:05:0	/	Plastic - H <sub>2</sub> SO <sub>4</sub> ( ) 250 ml ( ) 500 ml ( ) 1000 ml	1
3	/	-03			11:05:1	/	Plastic - HNO <sub>3</sub> ( ) 250 ml ( ) 500 ml ( ) 1000 ml	1
4	/	-04			11:05:2	/	Plastic - NaOH, 250 ml ( ) Unfiltered ( ) Filtered ( ) 300 ml	1
5	/	-05			11:05:3	/	Plastic - As Is ( ) HCl	1
6	/	-06			11:05:4	/	Plastic - H <sub>2</sub> SO <sub>4</sub> ( ) 250 ml ( ) 500 ml ( ) 1000 ml	1
7	/	-07			11:05:5	/	Plastic - HNO <sub>3</sub> ( ) 250 ml ( ) 500 ml ( ) 1000 ml	1
8	/	-08			11:05:6	/	Plastic - NaOH, 250 ml ( ) Unfiltered ( ) Filtered ( ) 300 ml	1
9	/	-09			11:05:7	/	Plastic - As Is ( ) HCl	1
10	/	-10			11:05:8	/	Plastic - H <sub>2</sub> SO <sub>4</sub> ( ) 250 ml ( ) 500 ml ( ) 1000 ml	1

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	<i>Stacy Vanderveen</i>	<i>TRD MCM</i>	2/20/14	15:14	<1 ppm
2					
3					
4					

Additional Comments: ⑥ SOUTH BUILDING - SOUTH WIND - SIDS AREA 10  
① WEST VERTICAL  
② EAST VERTICAL



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## Analysis Report

February 28, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/25/14	0:00
02/25/14	15:25

## Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12665

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	82		%	02/26/14	AW	30 - 150 %
% TCMX	84		%	02/26/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-01

Phoenix I.D.: BG12665

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 28, 2014





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## Analysis Report

February 28, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date      Time

02/25/14      0:00  
02/25/14      15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12666

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	81		%	02/26/14	AW	30 - 150 %
% TCMX	90		%	02/26/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-02

Phoenix I.D.: BG12666

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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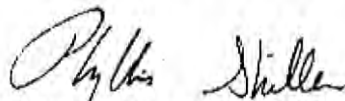
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 28, 2014



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## Analysis Report

February 28, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date Time

02/25/14 0:00  
02/25/14 15:25

### Laboratory Data

SDG ID: GBG12665  
Phoenix ID: BG12667

Project ID: DISCOVERY ACADEMY  
Client ID: 022514-SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/25/14	I	E160.3
Extraction for PCB	Completed			02/25/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/26/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	80		%	02/26/14	AW	30 - 150 %
% TCMX	84		%	02/26/14	AW	30 - 150 %



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

PCB done  
(61) South Bldg  
South Wall  
SIDP Area 10

## Analysis Report

February 24, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time  
02/20/14 0:00  
02/20/14 15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11049

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b>PCB (Soxhlet)</b>						
PCB-1016	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
<b>QA/QC Surrogates</b>						
% DCBP	84		%	02/21/14	AW	30 - 150 %
% TCMX	86		%	02/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-01

Phoenix I.D.: BG11049

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 24, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/20/14	0:00
02/20/14	15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11050

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	81		%	02/21/14	AW	30 - 150 %
% TCMX	84		%	02/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-02

Phoenix I.D.: BG11050

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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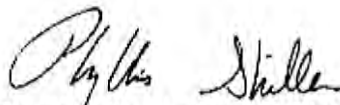
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 24, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/20/14 0:00  
02/20/14 15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11051

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	114		%	02/21/14	AW	30 - 150 %
% TCMX	85		%	02/21/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-03

Phoenix I.D.: BG11051

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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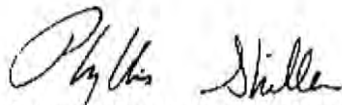
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 24, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/20/14	0:00
02/20/14	15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11052

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	85		%	02/21/14	AW	30 - 150 %
% TCMX	72		%	02/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-04

Phoenix I.D.: BG11052

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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February 24, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 24, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/20/14	0:00
02/20/14	15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11053

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	81		%	02/21/14	AW	30 - 150 %
% TCMX	82		%	02/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-05

Phoenix I.D.: BG11053

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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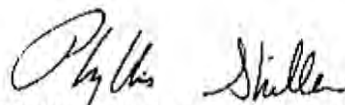
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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February 24, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 24, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/20/14 0:00  
02/20/14 15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11054

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	82		%	02/21/14	AW	30 - 150 %
% TCMX	85		%	02/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-06

Phoenix I.D.: BG11054

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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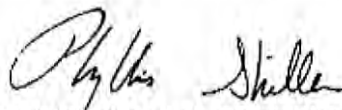
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 24, 2014





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 24, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/20/14 0:00  
02/20/14 15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11055

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.96	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	126		%	02/21/14	AW	30 - 150 %
% TCMX	130		%	02/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-07

Phoenix I.D.: BG11055

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 24, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/20/14 0:00  
02/20/14 15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11056

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	81		%	02/21/14	AW	30 - 150 %
% TCMX	84		%	02/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-08

Phoenix I.D.: BG11056

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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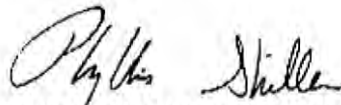
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 24, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/20/14 0:00  
02/20/14 15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11057

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.47	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	77		%	02/21/14	AW	30 - 150 %
% TCMX	81		%	02/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-09

Phoenix I.D.: BG11057

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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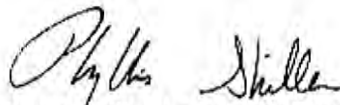
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 24, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/20/14	0:00
02/20/14	15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11058

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	77		%	02/21/14	AW	30 - 150 %
% TCMX	81		%	02/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND

Phoenix I.D.: BG11058

Client ID: 022014-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 24, 2014





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 24, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/20/14	0:00
02/20/14	15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11059

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	76		%	02/21/14	AW	30 - 150 %
% TCMX	78		%	02/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-11

Phoenix I.D.: BG11059

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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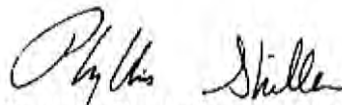
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 24, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 24, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/20/14	0:00
02/20/14	15:14

### Laboratory Data

SDG ID: GBG11049  
Phoenix ID: BG11060

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	02/20/14	I	E160.3
Extraction for PCB	Completed			02/20/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	65		%	02/21/14	AW	30 - 150 %
% TCMX	69		%	02/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY-176 CUMBERLAND  
Client ID: 022014-SV-12

Phoenix I.D.: BG11060

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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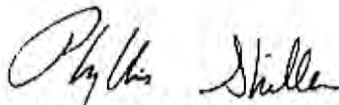
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 24, 2014



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Discrepancy to Deliver

(800) 353-2100 • www.foss.com

- ☒ 145 Huxford Road, Manchester, CT 06040  
☒ 56 Quarry Road, Trumbull, CT 06611  
☒ 119 R. of Land Street, Columbia, SC 29201  
☒ 78 Redstone Drive, West Springfield, MA 01089

- ☒ 50 Radfield Street, Suite 200, Boston, MA 02122  
☒ 215 Livermore Street, Suite 300, Trumbull, CT 06606  
☒ 80 West Avenue Street, Suite 300, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1330

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

20110979, AZE

LABORATORY

PHOENIX

REPORT TO: KATHLEEN PACE

INVOICE TO: KATHLEEN PACE

P.O. NO.: 20110979, AZE

Sample's Signature: *[Signature]* Date: 20-14

Source Codes:

MS-Monitoring Well

SW-Source Water

FW-For Aids Water

LS-Substrate Fluids

W-Water

A-Air

Other: BRICK

Transfer Check

1 2 3 4

1 2 3 4

1 2 3 4

1 2 3 4

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1 2 3 4

Relinquished to:

*[Signature]*

Accepted By:

TRAMM

Date:

2/20/14 15:14

Recovery and Detection Limit Requirements:

<1ppm

Additional Comments:

⑥ Sami Building - South Wall - SIDA AREA 10

⑧ EPR Vertical



FUSS & O'NEILL, ENVIROSCIENCE, LLC

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☐ 50 Quarry Road, Trumbull, CT 06611  
☐ 419 Nichols St, Columbia, SC 29201  
☐ 98 Interstate Drive, West Springfield, MA 01087

- ☐ 50 Bedford Street, Suite 100, Boston, MA 02122  
☐ 275 Providence Street, Suite 300, Providence, RI 02903  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1329

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

DISCOVERY ACADEMY 1716 CUMBERLAND AVE, WENTHURSTFIELD CT

20110979. A2E

PHOENIX

REPORT TO: KATHLEEN PRANE

Analysis Request

CONCRETE

LOCATION: T-1 KARRON REDFIELD

P.O. NO.: 20110979. A2E

Sampler's Signature: *Stephan Vanderberg* Date: 2-20-14

Source Codes: MW - Monitoring Well TW - Testable Water S - Soil W - Waste  
SW - Surface Water T - Testable Field B - Bulk Material A - Air

X = Other BRICK

Item No.	Transfer Check				Sample Number	Date Sampled	Time Sampled
	1	2	3	4			
1	✓				022014-SN-01	2-20-14	
2	✓				-02		
3	✓				-03		
4	✓				-04		
5	✓				-05		
6	✓				-06		
7	✓				-07		
8	✓				-08		
9	✓				-09		
10	✓				-10		

Transfer Number

Relinquished By

Accepted By

Date

Value

Reporting and Observations (List Requirements)

1

2/20/14

15.14

ALL Total Corrosion: 61 Salt Building - South Wall - S-1AP AREA 10

< 1 ppm

WEST VERTICAL

EAST VERTICAL



Monday, February 10, 2014

Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG05726 - BG05740

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05726

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.51	mg/kg	02/06/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	81		%	02/06/14	AW	30 - 150 %
% TCMX	82		%	02/06/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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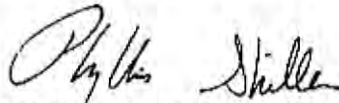
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05727

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/06/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	77		%	02/06/14	AW	30 - 150 %
% TCMX	74		%	02/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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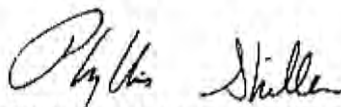
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05728

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	72		%	02/06/14	AW	30 - 150 %
% TCMX	77		%	02/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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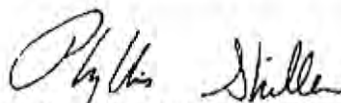
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05729

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/06/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	76	%	02/06/14	AW	30 - 150 %
% TCMX	77	%	02/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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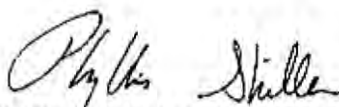
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05730

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.62	mg/kg	02/06/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	84	%	02/06/14	AW	30 - 150 %
% TCMX	78	%	02/06/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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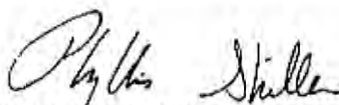
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05731

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.51	mg/kg	02/06/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	76	%	02/06/14	AW	30 - 150 %
% TCMX	70	%	02/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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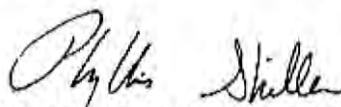
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05732

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.74	mg/kg	02/06/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	77	%	02/06/14	AW	30 - 150 %
% TCMX	80	%	02/06/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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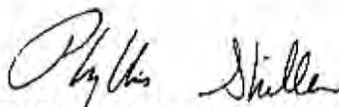
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05733

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.58	mg/kg	02/05/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	83	%	02/05/14	AW	30 - 150 %
% TCMX	77	%	02/05/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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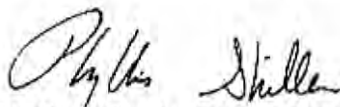
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05734

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.68	mg/kg	02/05/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	80	%	02/05/14	AW	30 - 150 %
% TCMX	76	%	02/05/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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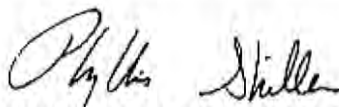
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05735

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	02/04/14	KDB	E180.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.58	mg/kg	02/05/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	62	%	02/05/14	AW	30 - 150 %
% TCMX	64	%	02/05/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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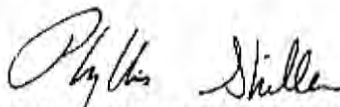
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05736

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/07/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1221	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1232	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1242	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1248	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1254	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1260	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1262	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1268	ND	0.88	mg/kg	02/07/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	76	%	02/07/14	AW	30 - 150 %
% TCMX	82	%	02/07/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05737

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.57	mg/kg	02/05/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	33	%	02/05/14	AW	30 - 150 %
% TCMX	35	%	02/05/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05738

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-17

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	0.74	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/05/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	78	%	02/05/14	AW	30 - 150 %
% TCMX	84	%	02/05/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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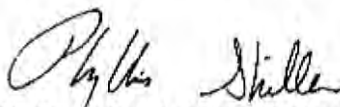
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05739

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-18

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.71	mg/kg	02/05/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	80	%	02/05/14	AW	30 - 150 %
% TCMX	74	%	02/05/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05740

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-DUP

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.73	mg/kg	02/05/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	46	%	02/05/14	AW	30 - 150 %
% TCMX	49	%	02/05/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

February 10, 2014

### QA/QC Data

SDG I.D.: GBG05726

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 266011, QC Sample No: BG05382 (BG05726, BG05727, BG05728, BG05729, BG05730, BG05731, BG05732)

#### Polychlorinated Biphenyls

PCB-1016		85	84	1.2				40 - 140	30
PCB-1221								40 - 140	30
PCB-1232								40 - 140	30
PCB-1242								40 - 140	30
PCB-1248								40 - 140	30
PCB-1254								40 - 140	30
PCB-1260		96	93	3.2				40 - 140	30
PCB-1262								40 - 140	30
PCB-1268								40 - 140	30
% DCBP (Surrogate Rec)		94	92	2.2				30 - 150	30
% TCMX (Surrogate Rec)		81	77	5.1				30 - 150	30

#### Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate. No Blank data could be reported with this Batch of samples.

QA/QC Batch 266062, QC Sample No: BG06048 (BG05733, BG05734, BG05735, BG05736, BG05737, BG05738, BG05739, BG05740)

#### Polychlorinated Biphenyls - Solid

PCB-1016	ND	84	86	2.4	121	128	5.6	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	88	91	3.4	94	96	2.1	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	86	93	90	3.3	101	104	2.9	30 - 150	30
% TCMX (Surrogate Rec)	73	84	82	2.4	83	85	2.4	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director  
February 10, 2014

Monday, February 10, 2014

## Sample Criteria Exceedences Report

Page 1 of 1

Criteria: None

GBG05726 - FO-PCB

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
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\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG05726, BG05727, BG05728, BG05729, BG05730, BG05731, BG05732, BG05733, BG05734, BG05735, BG05736, BG05737, BG05738, BG05739, BG05740

**Sampling Date(s):** 2/4/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

Authorized  
Signature:

*Ethan Lee*

Date: Monday, February 10, 2014

Printed Name: Ethan Lee

Position: Project Manager





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

February 10, 2014

SDG I.D.: GBG05726

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### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 02/06/14-1 (BG05726)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/6/2014

**Instrument:** Au-ecd24 02/05/14-1 (BG05733, BG05734, BG05735, BG05736, BG05737, BG05738, BG05739, BG05740)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/5/2014

**Instrument:** Au-ecd24 02/06/14-1 (BG05730, BG05731, BG05732)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/6/2014

**Instrument:** Au-ecd3 02/06/14-1 (BG05727, BG05728, BG05729)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none



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## RCP Certification Report

February 10, 2014

SDG I.D.: GBG05726

---

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/6/2014

**QC Comments:** QC Batch 266011 02/03/14 (BG05726, BG05727, BG05728, BG05729, BG05730, BG05731, BG05732)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate. No Blank data could be reported with this Batch of samples.

### QC (Batch Specific)

----- Sample No: BG05382, QA/QC Batch: 266011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BG06048, QA/QC Batch: 266062 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples were received at 1C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)





(866) 646-2469 • [www.FandO.com](http://www.FandO.com)

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## 1322

LABORATORY

~~ΔHOENIX~~

## Containers

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1	4
2	5
8	10

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⑦	⑧		

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1	0

①

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2	

③	
①	

13		
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③	③
①	③

3	
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[illegible]

566 AR

3

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### Reporting and Detection Limit Requirements:

Additional Comments: 1-Don't know

DESARROLLO COOPERATIVO  
NORTHERN

②:  $\frac{1}{2} \times 100 \times 20$

② West vertical

---



Tuesday, February 11, 2014

Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG07049 - BG07058

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 11, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/06/14 0:00  
02/06/14 16:29

### Laboratory Data

SDG ID: GBG07049  
Phoenix ID: BG07049

Project ID: DISCOVERY ACADEMY  
Client ID: 020614-SV-27

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/06/14	I	E160.3
Extraction for PCB	Completed			02/06/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.75	mg/kg	02/07/14	AW	3540C/8082
PCB-1221	ND	0.75	mg/kg	02/07/14	AW	3540C/8082
PCB-1232	ND	0.75	mg/kg	02/07/14	AW	3540C/8082
PCB-1242	ND	0.75	mg/kg	02/07/14	AW	3540C/8082
PCB-1248	ND	0.75	mg/kg	02/07/14	AW	3540C/8082
PCB-1254	ND	0.75	mg/kg	02/07/14	AW	3540C/8082
PCB-1260	ND	0.75	mg/kg	02/07/14	AW	3540C/8082
PCB-1262	ND	0.75	mg/kg	02/07/14	AW	3540C/8082
PCB-1268	ND	0.75	mg/kg	02/07/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	78		%	02/07/14	AW	30 - 150 %
% TCMX	77		%	02/07/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

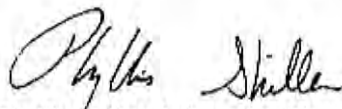
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 11, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/06/14	0:00
02/06/14	16:29

### Laboratory Data

SDG ID: GBG07049  
Phoenix ID: BG07050

Project ID: DISCOVERY ACADEMY  
Client ID: 020614-SV-28

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/06/14	I	E160.3
Extraction for PCB	Completed			02/06/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/07/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	77	%	02/07/14	AW	30 - 150 %
% TCMX	77	%	02/07/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

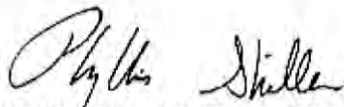
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 11, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/06/14 0:00  
02/06/14 16:29

## Laboratory Data

SDG ID: GBG07049  
Phoenix ID: BG07051

Project ID: DISCOVERY ACADEMY  
Client ID: 020614-SV-29

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/06/14	I	E160.3
Extraction for PCB	Completed			02/06/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	02/07/14	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	02/07/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	78	%	02/07/14	AW	30 - 150 %
% TCMX	41	%	02/07/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

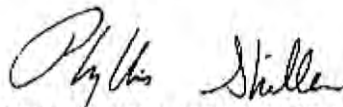
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

February 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 11, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/06/14	0:00
02/06/14	16:29

### Laboratory Data

SDG ID: GBG07049  
Phoenix ID: BG07052

Project ID: DISCOVERY ACADEMY  
Client ID: 020614-SV-30

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/06/14	I	E160.3
Extraction for PCB	Completed			02/06/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.69	mg/kg	02/07/14	AW	3540C/8082
PCB-1221	ND	0.69	mg/kg	02/07/14	AW	3540C/8082
PCB-1232	ND	0.69	mg/kg	02/07/14	AW	3540C/8082
PCB-1242	ND	0.69	mg/kg	02/07/14	AW	3540C/8082
PCB-1248	ND	0.69	mg/kg	02/07/14	AW	3540C/8082
PCB-1254	ND	0.69	mg/kg	02/07/14	AW	3540C/8082
PCB-1260	ND	0.69	mg/kg	02/07/14	AW	3540C/8082
PCB-1262	ND	0.69	mg/kg	02/07/14	AW	3540C/8082
PCB-1268	ND	0.69	mg/kg	02/07/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	82		%	02/07/14	AW	30 - 150 %
% TCMX	81		%	02/07/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

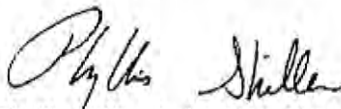
**Comments:**

100% Solid Assumed

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 11, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/06/14	0:00
02/06/14	16:29

### Laboratory Data

SDG ID: GBG07049  
Phoenix ID: BG07053

Project ID: DISCOVERY ACADEMY  
Client ID: 020614-SV-31

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/06/14	I	E160.3
Extraction for PCB	Completed			02/06/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.71	mg/kg	02/07/14	AW	3540C/8082
PCB-1221	ND	0.71	mg/kg	02/07/14	AW	3540C/8082
PCB-1232	ND	0.71	mg/kg	02/07/14	AW	3540C/8082
PCB-1242	ND	0.71	mg/kg	02/07/14	AW	3540C/8082
PCB-1248	ND	0.71	mg/kg	02/07/14	AW	3540C/8082
PCB-1254	ND	0.71	mg/kg	02/07/14	AW	3540C/8082
PCB-1260	ND	0.71	mg/kg	02/07/14	AW	3540C/8082
PCB-1262	ND	0.71	mg/kg	02/07/14	AW	3540C/8082
PCB-1268	ND	0.71	mg/kg	02/07/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	82	%	02/07/14	AW	30 - 150 %
% TCMX	84	%	02/07/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

February 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 11, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/06/14 0:00  
02/06/14 16:29

## Laboratory Data

SDG ID: GBG07049  
Phoenix ID: BG07054

Project ID: DISCOVERY ACADEMY  
Client ID: 020614-SV-32

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/06/14	I	E160.3
Extraction for PCB	Completed			02/06/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1221	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1232	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1242	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1248	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1254	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1260	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1262	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1268	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	80		%	02/07/14	AW	30 - 150 %
% TCMX	80		%	02/07/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

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Phyllis Shiller, Laboratory Director

February 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 11, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/06/14 0:00  
02/06/14 16:29

### Laboratory Data

SDG ID: GBG07049  
Phoenix ID: BG07055

Project ID: DISCOVERY ACADEMY  
Client ID: 020614-SV-33

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/06/14	I	E160.3
Extraction for PCB	Completed			02/06/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1221	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1232	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1242	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1248	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1254	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1260	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1262	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
PCB-1268	ND	0.7	mg/kg	02/07/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	80		%	02/07/14	AW	30 - 150 %
% TCMX	81		%	02/07/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

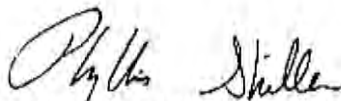
**Comments:**

100% Solid Assumed

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Phyllis Shiller, Laboratory Director

February 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 11, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/06/14	0:00
02/06/14	16:29

### Laboratory Data

SDG ID: GBG07049  
Phoenix ID: BG07056

Project ID: DISCOVERY ACADEMY  
Client ID: 020614-SV-34

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/06/14	I	E160.3
Extraction for PCB	Completed			02/06/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/07/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	78	%	02/07/14	AW	30 - 150 %
% TCMX	83	%	02/07/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

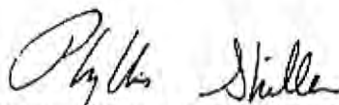
**Comments:**

100% Solid Assumed

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Phyllis Shiller, Laboratory Director

February 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 11, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/06/14	0:00
02/06/14	16:29

### Laboratory Data

SDG ID: GBG07049  
Phoenix ID: BG07057

Project ID: DISCOVERY ACADEMY  
Client ID: 020614-SV-35

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/06/14	I	E160.3
Extraction for PCB	Completed			02/06/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	02/07/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	02/07/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	78	%	02/07/14	AW	30 - 150 %
% TCMX	82	%	02/07/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

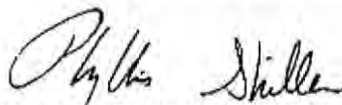
**Comments:**

100% Solid Assumed

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 11, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/06/14	0:00
02/06/14	16:29

### Laboratory Data

SDG ID: GBG07049  
Phoenix ID: BG07058

Project ID: DISCOVERY ACADEMY  
Client ID: 020614-SV-DUP 2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/06/14	I	E160.3
Extraction for PCB	Completed			02/06/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.47	mg/kg	02/07/14	AW	3540C/8082
PCB-1221	ND	0.47	mg/kg	02/07/14	AW	3540C/8082
PCB-1232	ND	0.47	mg/kg	02/07/14	AW	3540C/8082
PCB-1242	ND	0.47	mg/kg	02/07/14	AW	3540C/8082
PCB-1248	ND	0.47	mg/kg	02/07/14	AW	3540C/8082
PCB-1254	ND	0.47	mg/kg	02/07/14	AW	3540C/8082
PCB-1260	ND	0.47	mg/kg	02/07/14	AW	3540C/8082
PCB-1262	ND	0.47	mg/kg	02/07/14	AW	3540C/8082
PCB-1268	ND	0.47	mg/kg	02/07/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	74	%	02/07/14	AW	30 - 150 %
% TCMX	81	%	02/07/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

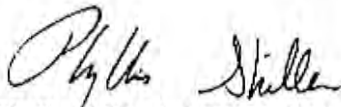
**Comments:**

100% Solid Assumed

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

February 11, 2014

### QA/QC Data

SDG I.D.: GBG07049

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 266239, QC Sample No: BG06701 (BG07049, BG07050, BG07051, BG07052, BG07053, BG07054, BG07055, BG07056, BG07057, BG07058)									
<b>Polychlorinated Biphenyls - Solid</b>									
PCB-1016	ND	76	75	1.3				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	83	81	2.4				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	77	82	80	2.5				30 - 150	30
% TCMX (Surrogate Rec)	85	87	87	0.0				30 - 150	30

**Comment:**

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

February 11, 2014

# Sample Criteria Exceedences Report

GBG07049 - FO-PCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.  
**Project Location:** DISCOVERY ACADEMY **Project Number:**  
**Laboratory Sample ID(s):** BG07049, BG07050, BG07051, BG07052, BG07053, BG07054, BG07055, BG07056, BG07057, BG07058  
**Sampling Date(s):** 2/6/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Tuesday, February 11, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

February 11, 2014

SDG I.D.: GBG07049

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### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd3 02/07/14-1 (BG07056, BG07057, BG07058)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/7/2014

**Instrument:** Au-ecd5 02/07/14-1 (BG07049, BG07050, BG07051, BG07052, BG07053, BG07054, BG07055)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/7/2014

**QC Comments:** QC Batch 266239 02/06/14 (BG07049, BG07050, BG07051, BG07052, BG07053, BG07054, BG07055, BG07056, BG07057, BG07058)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

### **QC (Batch Specific)**

----- Sample No: BG06701, QA/QC Batch: 266239 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples in this delivery group were received at 3°C.  
(Note acceptance criteria is above freezing up to 6°C)



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## **RCP Certification Report**

**February 11, 2014**

**SDG I.D.: GBG07049**







Tuesday, February 18, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG08859 - BG08870

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

02/12/14 0:00  
02/12/14 15:29

### Laboratory Data

SDG ID: GBG08859  
Phoenix ID: BG08859

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/12/14	EG	E160.3
Extraction for PCB	Completed			02/12/14	BP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	02/14/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	76	%	02/14/14	AW	30 - 150 %
% TCMX	91	%	02/14/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-01

Phoenix I.D.: BG08859

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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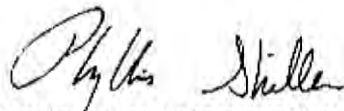
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

02/12/14 0:00  
02/12/14 15:29

### Laboratory Data

SDG ID: GBG08859  
Phoenix ID: BG08860

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/12/14	EG	E160.3
Extraction for PCB	Completed			02/12/14	BP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	76		%	02/14/14	AW	30 - 150 %
% TCMX	86		%	02/14/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-02

Phoenix I.D.: BG08860

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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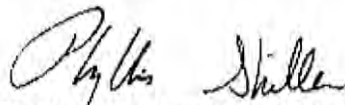
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/12/14	0:00
02/12/14	15:29

### Laboratory Data

SDG ID: GBG08859  
Phoenix ID: BG08861

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	02/12/14	EG	E160.3
Extraction for PCB	Completed			02/12/14	BP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	72		%	02/14/14	AW	30 - 150 %
% TCMX	82		%	02/14/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-03

Phoenix I.D.: BG08861

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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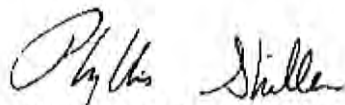
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

02/12/14 0:00  
02/12/14 15:29

### Laboratory Data

SDG ID: GBG08859  
Phoenix ID: BG08862

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	02/12/14	EG	E160.3
Extraction for PCB	Completed			02/12/14	BP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	02/14/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	82		%	02/14/14	AW	30 - 150 %
% TCMX	80		%	02/14/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-04

Phoenix I.D.: BG08862

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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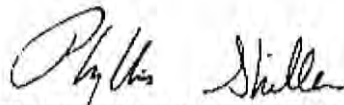
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

02/12/14  
02/12/14

### Time

0:00  
15:29

## Laboratory Data

SDG ID: GBG08859  
Phoenix ID: BG08863

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/12/14	EG	E160.3
Extraction for PCB	Completed			02/12/14	BP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	77		%	02/14/14	AW	30 - 150 %
% TCMX	83		%	02/14/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-05

Phoenix I.D.: BG08863

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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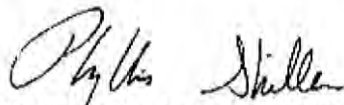
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

02/12/14 0:00  
02/12/14 15:29

### Laboratory Data

SDG ID: GBG08859  
Phoenix ID: BG08864

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/12/14	EG	E160.3
Extraction for PCB	Completed			02/12/14	BP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	82		%	02/14/14	AW	30 - 150 %
% TCMX	89		%	02/14/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-06

Phoenix I.D.: BG08864

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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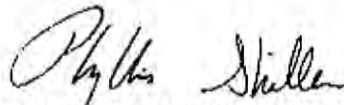
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

02/12/14 0:00  
02/12/14 15:29

### Laboratory Data

SDG ID: GBG08859  
Phoenix ID: BG08865

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/12/14	EG	E160.3
Extraction for PCB	Completed			02/12/14	BP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	85		%	02/14/14	AW	30 - 150 %
% TCMX	87		%	02/14/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-07

Phoenix I.D.: BG08865

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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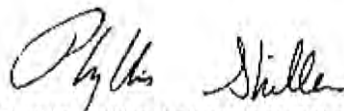
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

02/12/14 0:00  
02/12/14 15:29

### Laboratory Data

SDG ID: GBG08859  
Phoenix ID: BG08866

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/12/14	EG	E160.3
Extraction for PCB	Completed			02/12/14	BP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	85		%	02/14/14	AW	30 - 150 %
% TCMX	83		%	02/14/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-08

Phoenix I.D.: BG08866

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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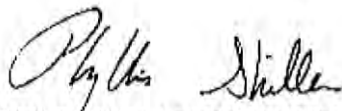
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

02/12/14 0:00  
02/12/14 15:29

### Laboratory Data

SDG ID: GBG08859  
Phoenix ID: BG08867

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/12/14	EG	E160.3
Extraction for PCB	Completed			02/12/14	BP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/14/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	84	%	02/14/14	AW	30 - 150 %
% TCMX	83	%	02/14/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-09

Phoenix I.D.: BG08867

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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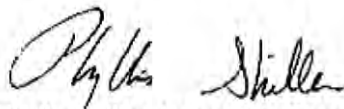
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/12/14	0:00
02/12/14	15:29

### Laboratory Data

SDG ID: GBG08859  
Phoenix ID: BG08868

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/12/14	EG	E160.3
Extraction for PCB	Completed			02/12/14	BP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	86		%	02/14/14	AW	30 - 150 %
% TCMX	84		%	02/14/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-10

Phoenix I.D.: BG08868

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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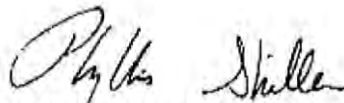
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

February 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

02/12/14 0:00  
02/12/14 15:29

Laboratory Data

SDG ID: GBG08859  
Phoenix ID: BG08869

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	02/12/14	EG	E160.3
Extraction for PCB	Completed			02/12/14	BP/X	SW3540C

PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	02/14/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	02/14/14	AW	3540C/8082

QA/QC Surrogates

% DCBP	73	%	02/14/14	AW	30 - 150 %
% TCMX	81	%	02/14/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-11

Phoenix I.D.: BG08869

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



## Environmental Laboratories, Inc.

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Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

February 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

02/12/14      0:00  
02/12/14      15:29

## Laboratory Data

SDG ID: GBG08859  
Phoenix ID: BG08870

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	02/12/14	EG	E160.3
Extraction for PCB	Completed			02/12/14	BP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.32	mg/kg	02/14/14	AW	3540C/8082
PCB-1221	ND	0.32	mg/kg	02/14/14	AW	3540C/8082
PCB-1232	ND	0.32	mg/kg	02/14/14	AW	3540C/8082
PCB-1242	ND	0.32	mg/kg	02/14/14	AW	3540C/8082
PCB-1248	ND	0.32	mg/kg	02/14/14	AW	3540C/8082
PCB-1254	ND	0.32	mg/kg	02/14/14	AW	3540C/8082
PCB-1260	ND	0.32	mg/kg	02/14/14	AW	3540C/8082
PCB-1262	ND	0.32	mg/kg	02/14/14	AW	3540C/8082
PCB-1268	ND	0.32	mg/kg	02/14/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	76	%	02/14/14	AW	30 - 150 %
% TCMX	86	%	02/14/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 021214-SV-12

Phoenix I.D.: BG08870

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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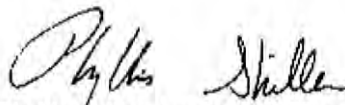
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager





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## QA/QC Report

February 18, 2014

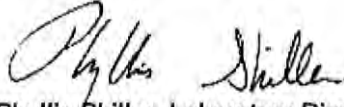
### QA/QC Data

SDG I.D.: GBG08859

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 266687, QC Sample No: BG08870 (BG08859, BG08860, BG08861, BG08862, BG08863, BG08864, BG08865, BG08866, BG08867, BG08868, BG08869, BG08870)									
<b>Polychlorinated Biphenyls - Solid</b>									
PCB-1016	ND	67	77	13.9	73	64	13.1	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	74	76	2.7	74	69	7.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	62	62	59	5.0	56	54	3.6	30 - 150	30
% TCMX (Surrogate Rec)	77	72	83	14.2	78	68	13.7	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria  
Intf - Interference

  
Phyllis Shiller, Laboratory Director  
February 18, 2014

## Sample Criteria Exceedences Report

GBG08859 - FO-PCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

## Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.  
**Project Location:** DISCOVERY ACADEMY **Project Number:**  
**Laboratory Sample ID(s):** BG08859, BG08860, BG08861, BG08862, BG08863, BG08864, BG08865,  
 BG08866, BG08867, BG08868, BG08869, BG08870  
**Sampling Date(s):** 2/12/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

Authorized  
Signature:

*Ethan Lee*

Date: Tuesday, February 18, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

February 18, 2014

SDG I.D.: GBG08859

---

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 02/14/14-1 (BG08865, BG08866, BG08867, BG08868, BG08869, BG08870)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner

**Position:** Chemist

**Date:** 2/14/2014

**Instrument:** Au-ecd6 02/14/14-1 (BG08862, BG08863, BG08864)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner

**Position:** Chemist

**Date:** 2/14/2014

**Instrument:** Au-ecd7 02/14/14-1 (BG08870)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner

**Position:** Chemist

**Date:** 2/14/2014

**Instrument:** Au-ecd8 02/14/14-1 (BG08859, BG08860, BG08861)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**February 18, 2014**

**SDG I.D.: GBG08859**

---

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 2/14/2014

### **QC (Site Specific)**

----- Sample No: BG08870, QA/QC Batch: 266687 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### **Temperature Narration**

The samples were received at 5C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)



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☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

5 w/ct-IP

## CHAIN-OF-CUSTODY RECORD 1328

PROJECT NAME

Discovery Academy 176 CUMBERLAND AVE, WETHERSFIELD CT

PROJECT LOCATION

PROJECT NUMBER

20110979.AZE

LABORATORY

PHOENIX

REPORT TO: KATHLEEN PANSE

INVOICE TO: KARRON REDFIELD

P.O. NO.: 20110979.AZE

Sampler's Signature: AK Date: 2/12/14

Source Codes: MW=Monitoring Well PW=Potable Water S=Soil W=Waste  
SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other Brick

Analysis Request

EPA 8082/50XLET

Containers

Item No.	Transfer Check 1 2 3 4	Sample Number	Source Code	Date Sampled	Time Sampled	Comments
1		021214-SV-01	X	021214		Soil VOA Vial / mechanical / water / NaSO <sub>2</sub>
2		-02	X			Glass Soil Container ( ) oz
3		-03	X			Water VOA Vial ( ) oz
4		-04	X			Glass Amber ( ) ml
5		-05	X			Plastic - As is ( ) ml
6		-06	X			Plastic - H <sub>2</sub> SO <sub>4</sub> ( ) ml
7		-07	X			Plastic - HNO <sub>3</sub> ( ) ml
8		-08	X			Plastic - NaOH ( ) ml
9		-09	X			Plastic - As is ( ) ml
10		-10	X			Plastic - H <sub>2</sub> SO <sub>4</sub> ( ) ml

Transfer Number

1

Relinquished By

AK

Accepted By

OPRADISE

Date

2/12/14

Reporting and Detection Limit Requirements:

Additional Comments: Contaminant #59

S. Bldg East wall





☐ 1419 Richmond Street, Columbia, SC 29201

☐ 78 Interstate Drive West Springfield MA 01089

□ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## 1327

LABORATORY  
BIOLOGY

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1

S=Soil  
B=Bedrock

D-360000

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100

CPA

413


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### Reporting and Detection Limit Requirements:

Additional Comments:

1000



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

56 Main Building  
North Street

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05726

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	81		%	02/06/14	AW	30 - 150 %
% TCMX	82		%	02/06/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-01

Phoenix I.D.: BG05726

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 07, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05727

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	77		%	02/06/14	AW	30 - 150 %
% TCMX	74		%	02/06/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-02

Phoenix I.D.: BG05727

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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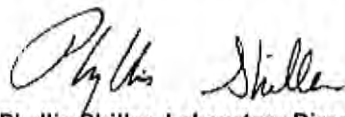
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 07, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05728

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.52	mg/kg	02/06/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	72		%	02/06/14	AW	30 - 150 %
% TCMX	77		%	02/06/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-03

Phoenix I.D.: BG05728

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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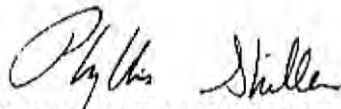
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 07, 2014



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05729

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/06/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	76		%	02/06/14	AW	30 - 150 %
% TCMX	77		%	02/06/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-04

Phoenix I.D.: BG05729

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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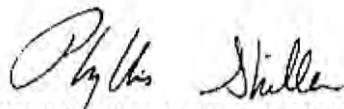
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 07, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05730

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.62	mg/kg	02/06/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	84		%	02/06/14	AW	30 - 150 %
% TCMX	78		%	02/06/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-05

Phoenix I.D.: BG05730

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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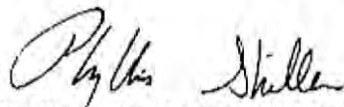
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 07, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05731

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.51	mg/kg	02/06/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	76		%	02/06/14	AW	30 - 150 %
% TCMX	70		%	02/06/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-06

Phoenix I.D.: BG05731

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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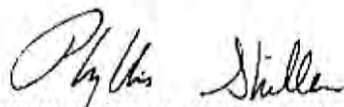
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 07, 2014



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587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05732

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1221	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1232	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1242	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1248	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1254	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1260	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1262	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
PCB-1268	ND	0.74	mg/kg	02/06/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	77		%	02/06/14	AW	30 - 150 %
% TCMX	80		%	02/06/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-07

Phoenix I.D.: BG05732

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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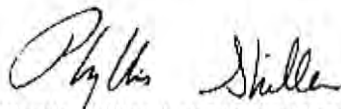
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 07, 2014



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date	Time
02/04/14	0:00
02/04/14	13:44

Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05733

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	83		%	02/05/14	AW	30 - 150 %
% TCMX	77		%	02/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-08

Phoenix I.D.: BG05733

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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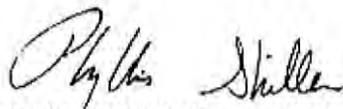
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 07, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05734

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.68	mg/kg	02/05/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	80		%	02/05/14	AW	30 - 150 %
% TCMX	76		%	02/05/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY

Client ID: 020414KN-09

Phoenix I.D.: BG05734

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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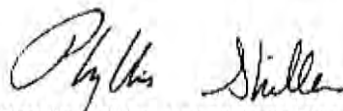
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 07, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05735

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.58	mg/kg	02/05/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	62		%	02/05/14	AW	30 - 150 %
% TCMX	64		%	02/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 020414KN-10

Phoenix I.D.: BG05735

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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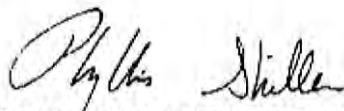
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 07, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05736

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/07/14	AW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1221	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1232	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1242	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1248	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1254	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1260	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1262	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
PCB-1268	ND	0.88	mg/kg	02/07/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	76		%	02/07/14	AW	30 - 150 %
% TCMX	82		%	02/07/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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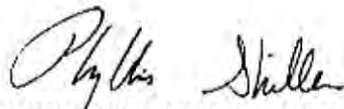
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

February 07, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05737

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.57	mg/kg	02/05/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	33		%	02/05/14	AW	30 - 150 %
% TCMX	35		%	02/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-12

Phoenix I.D.: BG05737

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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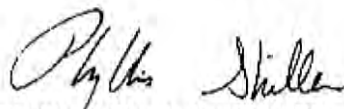
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

February 07, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05738

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-17

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	0.74	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	02/05/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	78		%	02/05/14	AW	30 - 150 %
% TCMX	84		%	02/05/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-17

Phoenix I.D.: BG05738

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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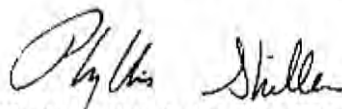
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 07, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

02/04/14 0:00  
02/04/14 13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05739

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-18

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.71	mg/kg	02/05/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	80		%	02/05/14	AW	30 - 150 %
% TCMX	74		%	02/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-18

Phoenix I.D.: BG05739

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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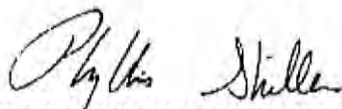
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

February 07, 2014



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

February 07, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/04/14	0:00
02/04/14	13:44

### Laboratory Data

SDG ID: GBG05726  
Phoenix ID: BG05740

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-DUP

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	02/04/14	KDB	E160.3
Extraction for PCB	Completed			02/04/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1221	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1232	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1242	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1248	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1254	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1260	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1262	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
PCB-1268	ND	0.73	mg/kg	02/05/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	46		%	02/05/14	AW	30 - 150 %
% TCMX	49		%	02/05/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 020414KN-DUP

Phoenix I.D.: BG05740

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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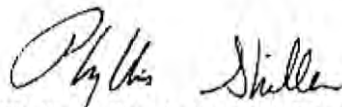
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

February 07, 2014





FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines to Deliver

9005 (6/24/19) • 9005 (Print/Quota)

140 Housatonic Road, Meriden, CT 06049  
350 Quarry Road, Trumbull, CT 06611  
1419 Railroad Street, Columbia, SC 29201  
178 Interstate Drive, West Springfield, MA 01089

501 Redfield Street, Suite 101, Boston, MA 02122  
225 Providence Street, Suite 350, Providence, RI 02908  
80 West Virginia Street, Suite 301, Long Beach, CA 90801

## CHAIN-OF-CUSTODY RECORD 1322

PROJECT NAME:

Discovery Academy 176 Lumberland Ave, Wethersfield, CT 06094, AZE

REPORT TO: KATHLEEN PANE

INVOICE TO: KARRON REDFIELD

P.O. NO.: 20110979, AZE

Sampler's Signature: *[Signature]*

Date: 2-4-14

Source (Indicate)

NEW: New/Existing Well

SW: Surface Water

1: Treatment Facility

2: Utility

3: Sediment

4: Air

5: Other

6: Other

7: Other

8: Other

9: Other

10: Other

11: Other

12: Other

13: Other

14: Other

15: Other

16: Other

17: Other

18: Other

19: Other

20: Other

21: Other

22: Other

23: Other

24: Other

25: Other

26: Other

27: Other

28: Other

29: Other

30: Other

31: Other

32: Other

33: Other

34: Other

35: Other

36: Other

37: Other

38: Other

39: Other

40: Other

41: Other

42: Other

43: Other

44: Other

PROJECT LOCATION

176 Lumberland Ave, Wethersfield, CT 06094, AZE

Analysis

Request

PROJECT NUMBER

20110979, AZE

LABORATORY

PHOENIX

Containers

Containers

Containers

Containers

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Containers

Transfer Number

1

2

3

4

5

6

Accepted By

*[Signature]*

Date

2/4/14

Time

11:00 AM

Reporting and Detection Limit Requirements

1 ppm

Additional Comments: NORTH STARWELL WINDOWS @ AREA 4

1 SAMPLE @ 0.0"-0.5" DEPTH

3 WEST VERTICAL





Thursday, January 23, 2014

Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BF99666 - BF99682

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

01/15/14 0:00  
01/16/14 12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99666

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	92		%	01/17/14	AW	30 - 150 %
% TCMX	80		%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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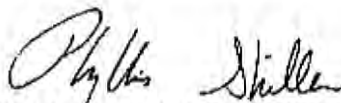
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

01/15/14 0:00  
01/16/14 12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99667

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	93		%	01/17/14	AW	30 - 150 %
% TCMX	82		%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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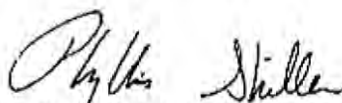
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
01/15/14	0:00
01/16/14	12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99668

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	91	%	01/17/14	AW	30 - 150 %
% TCMX	79	%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

01/15/14 0:00  
01/16/14 12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99669

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	93	%	01/17/14	AW	30 - 150 %
% TCMX	81	%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

01/15/14 0:00  
01/16/14 12:02

## Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99670

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	90	%	01/17/14	AW	30 - 150 %
% TCMX	80	%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

01/15/14 0:00  
01/16/14 12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99671

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	82	%	01/17/14	AW	30 - 150 %
% TCMX	88	%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

01/15/14 0:00  
01/16/14 12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99672

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	79		%	01/17/14	AW	30 - 150 %
% TCMX	80		%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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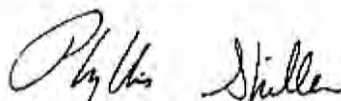
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date

01/15/14  
01/16/14

### Time

0:00  
12:02

## Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99673

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	80	%	01/17/14	AW	30 - 150 %
% TCMX	83	%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

01/15/14 0:00  
01/16/14 12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99674

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	92		%	01/17/14	AW	30 - 150 %
% TCMX	78		%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

01/15/14 0:00  
01/16/14 12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99675

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	01/17/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	92		%	01/17/14	AW	30 - 150 %
% TCMX	87		%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

01/15/14 0:00  
01/16/14 12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99676

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	100	%	01/17/14	AW	30 - 150 %
% TCMX	92	%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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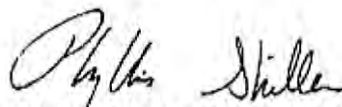
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
01/15/14	0:00
01/16/14	12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99677

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	101	%	01/17/14	AW	30 - 150 %
% TCMX	94	%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
687 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

01/15/14 0:00  
01/16/14 12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99678

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	96	%	01/17/14	AW	30 - 150 %
% TCMX	77	%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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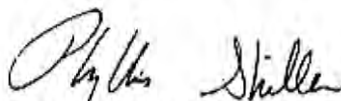
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

01/15/14 0:00  
01/16/14 12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99679

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-14

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	75	%	01/17/14	AW	30 - 150 %
% TCMX	78	%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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January 23, 2014

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Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

01/15/14 0:00  
01/16/14 12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99680

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	78	%	01/17/14	AW	30 - 150 %
% TCMX	88	%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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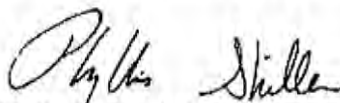
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

01/15/14 0:00  
01/16/14 12:02

### Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99681

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-16

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/20/14	X/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.36	mg/kg	01/21/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	01/21/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	01/21/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	01/21/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	01/21/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	01/21/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	01/21/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	01/21/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	01/21/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	92	%	01/21/14	AW	30 - 150 %
% TCMX	90	%	01/21/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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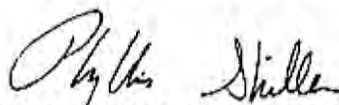
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

01/15/14 0:00  
01/16/14 12:02

## Laboratory Data

SDG ID: GBF99666  
Phoenix ID: BF99682

Project ID: DISCOVERY ACADEMY  
Client ID: 011514-SV-DUP

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/16/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	01/17/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	01/17/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	97	%	01/17/14	AW	30 - 150 %
% TCMX	78	%	01/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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Phyllis Shiller, Laboratory Director

January 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102

Fax (860) 645-0823

**QA/QC Report**

January 23, 2014

**QA/QC Data**

SDG I.D.: GBF99666

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 264720, QC Sample No: BF99673 (BF99666, BF99667, BF99668, BF99669, BF99670, BF99671, BF99672, BF99673, BF99674, BF99675, BF99676, BF99677, BF99678, BF99679, BF99680, BF99681, BF99682)									
<b><u>Polychlorinated Biphenyls - Solid</u></b>									
PCB-1016	ND	73	77	5.3	80	77	3.8	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	74	80	7.8	117	120	2.5	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	91	91	95	4.3	101	89	12.6	30 - 150	30
% TCMX (Surrogate Rec)	86	89	91	2.2	94	85	10.1	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

January 23, 2014

# Sample Criteria Exceedences Report GBF99666 - FO-PCB

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
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\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BF99666, BF99667, BF99668, BF99669, BF99670, BF99671, BF99672, BF99673, BF99674, BF99675, BF99676, BF99677, BF99678, BF99679, BF99680, BF99681, BF99682

**Sampling Date(s):** 1/15/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☒ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☐ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Thursday, January 23, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

January 23, 2014

SDG I.D.: GBF99666

---

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 01/17/14-1 (BF99673, BF99675, BF99676, BF99677)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 1/17/2014

**Instrument:** Au-ecd24 01/17/14-1 (BF99674, BF99682)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 1/17/2014

**Instrument:** Au-ecd24 01/21/14-1 (BF99681)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 1/21/2014

**Instrument:** Au-ecd3 01/17/14-1 (BF99671, BF99672, BF99673)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none



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## RCP Certification Report

January 23, 2014

SDG I.D.: GBF99666

---

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 1/17/2014

**Instrument:** Au-ecd5 01/17/14-1 (BF99666, BF99667, BF99668, BF99669)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 1/17/2014

**Instrument:** Au-ecd6 01/17/14-1 (BF99670, BF99678, BF99681)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 1/17/2014

**Instrument:** Au-ecd7 01/17/14-1 (BF99679, BF99680)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 1/17/2014



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## **RCP Certification Report**

**January 23, 2014**

**SDG I.D.: GBF99666**

---

### **QC (Site Specific)**

----- Sample No: BF99673, QA/QC Batch: 264720 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### **Temperature Narration**

The samples in this delivery group were received at 4°C.  
(Note acceptance criteria is above freezing up to 6°C)





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50 Redfield Street, Suite 100, Boston, MA 02122

275 Promenade Street, Suite 350, Providence, RI 02908

80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD

1314

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Discovery Academy 176 Cumberland Ave, Waterbury, CT 20110979.AZE

Phoenix

REPORT TO: KATHLEEN FANE

Analysis Request

Containers

INVOICE TO: HARRON REDFIELD

P.O. NO.: 20110979.AZE

Sampler's Signature: Standen Date: 1-15-14

Source Codes: MW=Monitoring Well PW=Potable Water S=Soil W=Waste

SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other BRICK

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled
	1	2	3	4				
1	/				011514-SV-01	8X	1-15-14	
2	/				-02			
3	/				-03			
4	/				-04			
5	/				-05			
6	/				-06			
7	/				-07			
8	/				-08			
9	/				-09			
10	/				-10			

Soil VOA Vol. (Mechanical)	1	996666	1	Plastic - NaOH, 250 ml	1
Soil VOA Vol. (Water)	1	996667	1	Plastic - HNO <sub>3</sub> , 250 ml	1
Glass Soil Container (4 oz)	1	996668	1	Plastic - H <sub>2</sub> SO <sub>4</sub> , 250 ml	1
Glass VOA Vol. (Mechanical)	1	996669	1	Plastic - As is, 250 ml	1
Glass VOA Vol. (Water)	1	996700	1	Plastic - As is, 500 ml	1
Other	1	996701	1	Plastic - As is, 1000 ml	1
Water VOA Vol. (Mechanical)	1	996702	1	Glass Amber	1
Water VOA Vol. (Water)	1	996703	1	Glass VOA Vol. (As is)	1
Glass Soil Container (4 oz)	1	996704	1	Water VOA Vol. (As is)	1
Glass VOA Vol. (Mechanical)	1	996705	1	Other	1

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements
1	Standen	Scott Weis	1-16-14	1145	<1ppm
2	Scott Weis		1-16-14	1202	Additional Comments: EAST WALL WINDOWS - MAIN SAMPLES 0"-0.5" DEPTH SOUTH VERTICAL
3					
4					



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☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD

1315

☐ 1 Day\* ☒ 3 Days\* ☐ Standard (\_\_\_ days) ☐ Other (\_\_\_ days)  
☐ 2 Days\* ☐ Surcharge Applies

PROJECT NAME

Discovery Academy

PROJECT LOCATION

1716 CUMBERLAND AVE WETHERSFIELD

PROJECT NUMBER

20110979.AZE

LABORATORY

Phoenyx

REPORT TO:

KATHLEEN FANE

Analysis

Request

Containers

INVOICE TO:

KARRON REDFIELD

P.O. NO.:

20110979.AZE

Sampler's Signature:

Shanahan

Date: 1-15-14

Source Codes:

MW=Monitoring Well  
SW=Surface Water

PW=Portable Water  
T=Treatment Facility

S=Soil  
B=Sediment

W=Waste  
A=Air

X=Other

BRICK

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled
	1	2	3	4				
11					011514-SV-11	X	1-15-14	
12					-12			
13					-13			
14					-14			
15					-15			
16					-16			
17					-DUP			

EPA 8082/50X11ET

Comments	Soil VOA Val. ( )	Soil VOA Val. ( )	Glass Soil Container ( )	Glass Soil Container ( )	Water VOA Val. ( )	Glass Amber ( )	Plastic - As Is ( )	Plastic - As Is ( )	Plastic - H <sub>2</sub> SO <sub>4</sub> ( )	Plastic - HNO <sub>3</sub> ( )	Plastic - NaOH ( )	Unfiltered ( )
	1	2	3	4	5	6	7	8	9	10	11	12
99676												
99677												
99678												
99679												
99680												
99681												
99682												

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	Shanahan	Scott Moss	1-16-14	11:45	<1 ppm
2	Scott Moss	Shanahan	1-16-14	12:00	Additional Comments: EAST WALL WINDOWS - MAIN 2X SAMPLES @ 0"-0.5" DEPTH ② NORTH VERTICAL
3					
4					



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 10, 2013

FOR: Attn: Ms. Karron Redfield  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

12/06/13 0:00  
12/06/13 15:32

### Laboratory Data

SDG ID: GBF85639  
Phoenix ID: BF85639

Project ID: DISCOVERY ACADEMY  
Client ID: 120613-KN-20A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	12/06/13	I	E160.3
Extraction for PCB	Completed			12/06/13	BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	105		%	12/09/13	AW	30 - 150 %
% TCMX	90		%	12/09/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 120613-KN-20A

Phoenix I.D.: BF85639

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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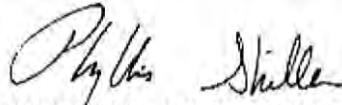
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 10, 2013



Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 10, 2013

FOR: Attn: Ms. Karron Redfield  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

12/06/13 0:00  
12/06/13 15:32

## Laboratory Data

SDG ID: GBF85639  
Phoenix ID: BF85640

Project ID: DISCOVERY ACADEMY  
Client ID: 120613-KN-23A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	12/06/13	I	E160.3
Extraction for PCB	Completed			12/06/13	BB/K	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	12/09/13	AW	3540C/8082

### QA/QC Surrogates

% DCBP	106	%	12/09/13	AW	30 - 150 %
% TCMX	90	%	12/09/13	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 120613-KN-23A

Phoenix I.D.: BF85640

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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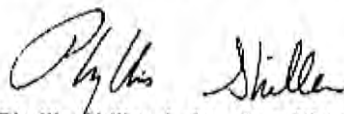
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 10, 2013



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## Analysis Report

December 10, 2013

FOR: Attn: Ms. Karron Redfield  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/06/13 0:00  
12/06/13 15:32

### Laboratory Data

SDG ID: GBF85639  
Phoenix ID: BF85641

Project ID: DISCOVERY ACADEMY  
Client ID: 120613-KN-24A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	12/06/13	I	E160.3
Extraction for PCB	Completed			12/06/13	BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	107		%	12/09/13	AW	30 - 150 %
% TCMX	93		%	12/09/13	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 120613-KN-24A

Phoenix I.D.: BF85641

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 10, 2013







Wednesday, December 11, 2013

Attn: Ms. Karron Redfield  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BF85639 - BF85641

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 11, 2013

FOR: Attn: Ms. Karron Redfield  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/06/13	0:00
12/06/13	15:32

### Laboratory Data

SDG ID: GBF85639  
Phoenix ID: BF85639

Project ID: DISCOVERY ACADEMY  
Client ID: 120613-KN-20A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	12/06/13	I	E160.3
Extraction for PCB	Completed			12/06/13	BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	105		%	12/09/13	AW	30 - 150 %
% TCMX	90		%	12/09/13	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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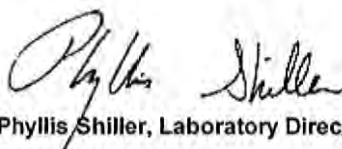
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 11, 2013

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 11, 2013

FOR: Attn: Ms. Karron Redfield  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

12/06/13 0:00  
12/06/13 15:32

## Laboratory Data

SDG ID: GBF85639  
Phoenix ID: BF85640

Project ID: DISCOVERY ACADEMY  
Client ID: 120613-KN-23A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	12/06/13	I	E160.3
Extraction for PCB	Completed			12/06/13	BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	12/09/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	106		%	12/09/13	AW	30 - 150 %
% TCMX	90		%	12/09/13	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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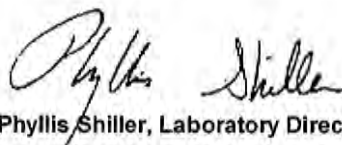
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

December 11, 2013

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 11, 2013

FOR: Attn: Ms. Karron Redfield  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/06/13	0:00
12/06/13	15:32

### Laboratory Data

SDG ID: GBF85639  
Phoenix ID: BF85641

Project ID: DISCOVERY ACADEMY  
Client ID: 120613-KN-24A

<u>Parameter</u>	<u>Result</u>	<u>RL/ PQL</u>	<u>Units</u>	<u>Date/Time</u>	<u>By</u>	<u>Reference</u>
Percent Solid	95		%	12/06/13	I	E160.3
Extraction for PCB	Completed			12/06/13	BB/K	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	12/09/13	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	12/09/13	AW	3540C/8082

### QA/QC Surrogates

% DCBP	107	%	12/09/13	AW	30 - 150 %
% TCMX	93	%	12/09/13	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 11, 2013

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

December 11, 2013

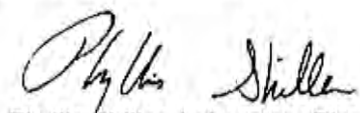
### QA/QC Data

SDG I.D.: GBF85639

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 261659, QC Sample No: BF85594 (BF85639, BF85640, BF85641)									
<b>Polychlorinated Biphenyls - Solid</b>									
PCB-1016	ND	93	92	1.1	86	89	3.4	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	95	97	2.1	98	95	3.1	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	68	99	98	1.0	92	89	3.3	30 - 150	30
% TCMX (Surrogate Rec)	65	96	96	0.0	94	92	2.2	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria  
Intf - Interference

  
Phyllis Shiller, Laboratory Director  
December 11, 2013

\*\*\* No Data to Display \*\*\*

## Sample Criteria Exceedences Report

GBF85639 - FO-PCB

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.





Friday, January 03, 2014

Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY 176 CUMBERLAND AVE  
Sample ID#s: BF93052 - BF93065, BF93067 - BF93091

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979AZE

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/27/13	0:00
12/27/13	12:33

### Laboratory Data

SDG ID: GBF93052  
Phoenix ID: BF93052

Project ID: DISCOVERY ACADEMY 176 CUMBERLAND AVE  
Client ID: 122713-KN-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/27/13	I	E160.3
Extraction for PCB	Completed			12/28/13	TT	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.39	mg/kg	12/31/13	KCA	3540C/8082
PCB-1221	ND	0.39	mg/kg	12/31/13	KCA	3540C/8082
PCB-1232	ND	0.39	mg/kg	12/31/13	KCA	3540C/8082
PCB-1242	ND	0.39	mg/kg	12/31/13	KCA	3540C/8082
PCB-1248	ND	0.39	mg/kg	12/31/13	KCA	3540C/8082
PCB-1254	ND	0.39	mg/kg	12/31/13	KCA	3540C/8082
PCB-1260	ND	0.39	mg/kg	12/31/13	KCA	3540C/8082
PCB-1262	ND	0.39	mg/kg	12/31/13	KCA	3540C/8082
PCB-1268	ND	0.39	mg/kg	12/31/13	KCA	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	107		%	12/31/13	KCA	30 - 150 %
% TCMX	100		%	12/31/13	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

January 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979AZE

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/27/13	0:00
12/27/13	12:33

### Laboratory Data

SDG ID: GBF93052  
Phoenix ID: BF93053

Project ID: DISCOVERY ACADEMY 176 CUMBERLAND AVE  
Client ID: 122713-KN-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/27/13	I	E160.3
Extraction for PCB	Completed			12/28/13	TT	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.44	mg/kg	12/31/13	KCA	3540C/8082
PCB-1221	ND	0.44	mg/kg	12/31/13	KCA	3540C/8082
PCB-1232	ND	0.44	mg/kg	12/31/13	KCA	3540C/8082
PCB-1242	ND	0.44	mg/kg	12/31/13	KCA	3540C/8082
PCB-1248	ND	0.44	mg/kg	12/31/13	KCA	3540C/8082
PCB-1254	ND	0.44	mg/kg	12/31/13	KCA	3540C/8082
PCB-1260	ND	0.44	mg/kg	12/31/13	KCA	3540C/8082
PCB-1262	ND	0.44	mg/kg	12/31/13	KCA	3540C/8082
PCB-1268	ND	0.44	mg/kg	12/31/13	KCA	3540C/8082

### QA/QC Surrogates

% DCBP	105	%	12/31/13	KCA	30 - 150 %
% TCMX	100	%	12/31/13	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

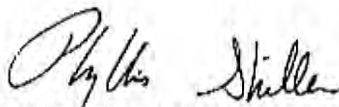
**Comments:**

100% Solid Assumed

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979AZE

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

12/27/13 0:00  
12/27/13 12:33

## Laboratory Data

SDG ID: GBF93052  
Phoenix ID: BF93054

Project ID: DISCOVERY ACADEMY 176 CUMBERLAND AVE  
Client ID: 122713-KN-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/27/13	I	E160.3
Extraction for PCB	Completed			12/28/13	TT	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.45	mg/kg	12/31/13	KCA	3540C/8082
PCB-1221	ND	0.45	mg/kg	12/31/13	KCA	3540C/8082
PCB-1232	ND	0.45	mg/kg	12/31/13	KCA	3540C/8082
PCB-1242	ND	0.45	mg/kg	12/31/13	KCA	3540C/8082
PCB-1248	ND	0.45	mg/kg	12/31/13	KCA	3540C/8082
PCB-1254	ND	0.45	mg/kg	12/31/13	KCA	3540C/8082
PCB-1260	ND	0.45	mg/kg	12/31/13	KCA	3540C/8082
PCB-1262	ND	0.45	mg/kg	12/31/13	KCA	3540C/8082
PCB-1268	ND	0.45	mg/kg	12/31/13	KCA	3540C/8082

### QA/QC Surrogates

% DCBP	102	%	12/31/13	KCA	30 - 150 %
% TCMX	98	%	12/31/13	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

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Phyllis Shiller, Laboratory Director

January 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979AZE

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/27/13	0:00
12/27/13	12:33

### Laboratory Data

SDG ID: GBF93052  
Phoenix ID: BF93055

Project ID: DISCOVERY ACADEMY 176 CUMBERLAND AVE  
Client ID: 122713-KN-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/27/13	I	E160.3
Extraction for PCB	Completed			12/28/13	TT	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.47	mg/kg	12/31/13	KCA	3540C/8082
PCB-1221	ND	0.47	mg/kg	12/31/13	KCA	3540C/8082
PCB-1232	ND	0.47	mg/kg	12/31/13	KCA	3540C/8082
PCB-1242	ND	0.47	mg/kg	12/31/13	KCA	3540C/8082
PCB-1248	ND	0.47	mg/kg	12/31/13	KCA	3540C/8082
PCB-1254	ND	0.47	mg/kg	12/31/13	KCA	3540C/8082
PCB-1260	ND	0.47	mg/kg	12/31/13	KCA	3540C/8082
PCB-1262	ND	0.47	mg/kg	12/31/13	KCA	3540C/8082
PCB-1268	ND	0.47	mg/kg	12/31/13	KCA	3540C/8082

### QA/QC Surrogates

% DCBP	104	%	12/31/13	KCA	30 - 150 %
% TCMX	100	%	12/31/13	KCA	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

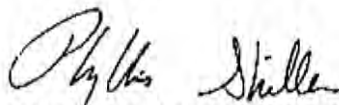
**Comments:**

100% Solid Assumed

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Phyllis Shiller, Laboratory Director

January 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979AZE

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/27/13	0:00
12/27/13	12:33

### Laboratory Data

SDG ID: GBF93052  
Phoenix ID: BF93056

Project ID: DISCOVERY ACADEMY 176 CUMBERLAND AVE  
Client ID: 122713-KN-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/27/13	I	E160.3
Extraction for PCB	Completed			12/28/13	TT	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.93	mg/kg	12/31/13	KCA	3540C/8082
PCB-1221	ND	0.93	mg/kg	12/31/13	KCA	3540C/8082
PCB-1232	ND	0.93	mg/kg	12/31/13	KCA	3540C/8082
PCB-1242	ND	0.93	mg/kg	12/31/13	KCA	3540C/8082
PCB-1248	ND	0.93	mg/kg	12/31/13	KCA	3540C/8082
PCB-1254	ND	0.93	mg/kg	12/31/13	KCA	3540C/8082
PCB-1260	ND	0.93	mg/kg	12/31/13	KCA	3540C/8082
PCB-1262	ND	0.93	mg/kg	12/31/13	KCA	3540C/8082
PCB-1268	ND	0.93	mg/kg	12/31/13	KCA	3540C/8082

### QA/QC Surrogates

% DCBP	106	%	12/31/13	KCA	30 - 150 %
% TCMX	100	%	12/31/13	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

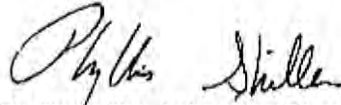
**Comments:**

100% Solid Assumed

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979AZE

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

12/27/13 0:00  
12/27/13 12:33

## Laboratory Data

SDG ID: GBF93052  
Phoenix ID: BF93057

Project ID: DISCOVERY ACADEMY 176 CUMBERLAND AVE  
Client ID: 122713-KN-05 DUP

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/27/13	I	E160.3
Extraction for PCB	Completed			12/28/13	TT	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.37	mg/kg	12/31/13	KCA	3540C/8082
PCB-1221	ND	0.37	mg/kg	12/31/13	KCA	3540C/8082
PCB-1232	ND	0.37	mg/kg	12/31/13	KCA	3540C/8082
PCB-1242	ND	0.37	mg/kg	12/31/13	KCA	3540C/8082
PCB-1248	ND	0.37	mg/kg	12/31/13	KCA	3540C/8082
PCB-1254	ND	0.37	mg/kg	12/31/13	KCA	3540C/8082
PCB-1260	ND	0.37	mg/kg	12/31/13	KCA	3540C/8082
PCB-1262	ND	0.37	mg/kg	12/31/13	KCA	3540C/8082
PCB-1268	ND	0.37	mg/kg	12/31/13	KCA	3540C/8082

### QA/QC Surrogates

% DCBP	111	%	12/31/13	KCA	30 - 150 %
% TCMX	107	%	12/31/13	KCA	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

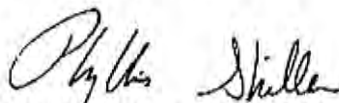
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979AZE

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

12/27/13 0:00  
12/27/13 12:33

## Laboratory Data

SDG ID: GBF93052  
Phoenix ID: BF93058

Project ID: DISCOVERY ACADEMY 176 CUMBERLAND AVE  
Client ID: 122713-KN-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/27/13	I	E160.3
Extraction for PCB	Completed			12/28/13	TT	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.5	mg/kg	12/31/13	KCA	3540C/8082
PCB-1221	ND	0.5	mg/kg	12/31/13	KCA	3540C/8082
PCB-1232	ND	0.5	mg/kg	12/31/13	KCA	3540C/8082
PCB-1242	ND	0.5	mg/kg	12/31/13	KCA	3540C/8082
PCB-1248	ND	0.5	mg/kg	12/31/13	KCA	3540C/8082
PCB-1254	ND	0.5	mg/kg	12/31/13	KCA	3540C/8082
PCB-1260	ND	0.5	mg/kg	12/31/13	KCA	3540C/8082
PCB-1262	ND	0.5	mg/kg	12/31/13	KCA	3540C/8082
PCB-1268	ND	0.5	mg/kg	12/31/13	KCA	3540C/8082

### QA/QC Surrogates

% DCBP	110	%	12/31/13	KCA	30 - 150 %
% TCMX	105	%	12/31/13	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

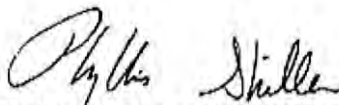
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979AZE

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

12/27/13 0:00  
12/27/13 12:33

## Laboratory Data

SDG ID: GBF93052  
Phoenix ID: BF93059

Project ID: DISCOVERY ACADEMY 176 CUMBERLAND AVE  
Client ID: 122713-KN-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/27/13	I	E160.3
Extraction for PCB	Completed			12/28/13	TT	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.65	mg/kg	12/31/13	KCA	3540C/8082
PCB-1221	ND	0.65	mg/kg	12/31/13	KCA	3540C/8082
PCB-1232	ND	0.65	mg/kg	12/31/13	KCA	3540C/8082
PCB-1242	ND	0.65	mg/kg	12/31/13	KCA	3540C/8082
PCB-1248	ND	0.65	mg/kg	12/31/13	KCA	3540C/8082
PCB-1254	ND	0.65	mg/kg	12/31/13	KCA	3540C/8082
PCB-1260	ND	0.65	mg/kg	12/31/13	KCA	3540C/8082
PCB-1262	ND	0.65	mg/kg	12/31/13	KCA	3540C/8082
PCB-1268	ND	0.65	mg/kg	12/31/13	KCA	3540C/8082

### QA/QC Surrogates

% DCBP	110	%	12/31/13	KCA	30 - 150 %
% TCMX	108	%	12/31/13	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

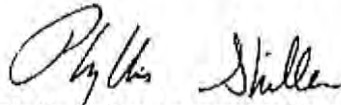
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979AZE

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/27/13	0:00
12/27/13	12:33

### Laboratory Data

SDG ID: GBF93052  
Phoenix ID: BF93060

Project ID: DISCOVERY ACADEMY 176 CUMBERLAND AVE  
Client ID: 122713-KN-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/27/13	I	E160.3
Extraction for PCB	Completed			12/28/13	TT	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	1	mg/kg	12/31/13	KCA	3540C/8082
PCB-1221	ND	1	mg/kg	12/31/13	KCA	3540C/8082
PCB-1232	ND	1	mg/kg	12/31/13	KCA	3540C/8082
PCB-1242	ND	1	mg/kg	12/31/13	KCA	3540C/8082
PCB-1248	ND	1	mg/kg	12/31/13	KCA	3540C/8082
PCB-1254	ND	1	mg/kg	12/31/13	KCA	3540C/8082
PCB-1260	ND	1	mg/kg	12/31/13	KCA	3540C/8082
PCB-1262	ND	1	mg/kg	12/31/13	KCA	3540C/8082
PCB-1268	ND	1	mg/kg	12/31/13	KCA	3540C/8082

### QA/QC Surrogates

% DCBP	106	%	12/31/13	KCA	30 - 150 %
% TCMX	103	%	12/31/13	KCA	30 - 150 %





Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

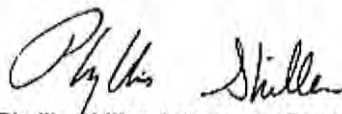
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979AZE

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/27/13	0:00
12/27/13	12:33

## Laboratory Data

SDG ID: GBF93052  
Phoenix ID: BF93061

Project ID: DISCOVERY ACADEMY 176 CUMBERLAND AVE  
Client ID: 122713-KN-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/27/13	I	E160.3
Extraction for PCB	Completed			12/28/13	TT	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.98	mg/kg	12/31/13	KCA	3540C/8082
PCB-1221	ND	0.98	mg/kg	12/31/13	KCA	3540C/8082
PCB-1232	ND	0.98	mg/kg	12/31/13	KCA	3540C/8082
PCB-1242	ND	0.98	mg/kg	12/31/13	KCA	3540C/8082
PCB-1248	ND	0.98	mg/kg	12/31/13	KCA	3540C/8082
PCB-1254	ND	0.98	mg/kg	12/31/13	KCA	3540C/8082
PCB-1260	ND	0.98	mg/kg	12/31/13	KCA	3540C/8082
PCB-1262	ND	0.98	mg/kg	12/31/13	KCA	3540C/8082
PCB-1268	ND	0.98	mg/kg	12/31/13	KCA	3540C/8082

### QA/QC Surrogates

% DCBP	102	%	12/31/13	KCA	30 - 150 %
% TCMX	98	%	12/31/13	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

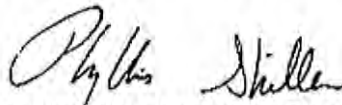
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager





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50 Redfield Street, Suite 100, Boston, MA 02122  
275 Promenade Street, Suite 350, Providence, RI 02908  
80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1309

PROJECT NAME

PROJECT LOCATION

Discovery Academy 176 Cumberland Ave Wethersfield, CT 20110979.AZE

REPORT TO: Kathleen Kane/Kurron Redfield

INVOICE TO: Kurron Redfield

P.O. No.: 20110979.AZE

Sampler's Signature: *AZ* Date: 12-27-13

Source Codes:

MW=Monitoring Well

SW=Surface Water

X=Other

W=Potable Water

T=Treatment Facility

S=Soil

B=Sediment

W=Waste

A=Air

W.P.E.

PROJECT NUMBER

20110979.AZE

LABORATORY

Phoenix

Analysis

Request

Containers

Plastic - NaOH, 250 ml

Plastic - HNO<sub>3</sub>, 250 ml

Plastic - H<sub>2</sub>SO<sub>4</sub>, 250 ml

Plastic - As is, 250 ml

Glass Amber ( ) ml

Water VOA Val. ( ) ml

Other ( ) ml

Glass Soil Container ( ) ml

Glass VOA Val. ( ) ml

Soil VOA Val. ( ) ml

Soil VOA Val. ( ) ml

Soil VOA Val. ( ) ml

Soil VOA Val. ( ) ml

Soil VOA Val. ( ) ml

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Soil VOA Val. ( ) ml

Soil VOA Val. ( ) ml

Soil VOA Val. ( ) ml

Soil VOA Val. ( ) ml

Transfer Number

1

2

3

4

Relinquished By

*AZ*

Accepted By

*Chandice*

Date

12/27/13

Reporting and Detection Limit Requirements:

Additional Comments:





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- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

9/16/13

## CHAIN-OF-CUSTODY RECORD 1308

☐ 1 Day\* ☒ 3 Days\* ☐ Other \_\_\_\_\_ (days)  
☐ 2 Days\* ☐ Standard \_\_\_\_\_ (days) \*Surcharge Applies

PROJECT NAME		PROJECT LOCATION		PROJECT NUMBER		LABORATORY	
Discovery Academy		176 Cumberland Ave Wethersfield, CT		20110979.AZE		Phoenix	
REPORT TO:		Kathleen Paine/Karron Redfield		Analysis Request		Containers	
INVOICE TO:		Karron Redfield					
P.O. NO.:		20110979.AZE					
Sampler's Signature:		N Z		Date: 12-27-13			
Source Codes:		PW=Potable Water S=Soil W=Waste					
MW=Monitoring Well SW=Surface Water T=Treatment Facility B=Sediment A=Air							
X=Other		Wipe					
Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Comments	
21		122713-KN-020	X	12/27/13		Plastic - HNO <sub>3</sub> , 250 ml [ ] Filtered [ ] Unfiltered	
22		122713-KN-021				Plastic - HNO <sub>3</sub> , 250 ml [ ] Filtered [ ] Unfiltered	
23		122713-KN-022				Plastic - HNO <sub>3</sub> , 250 ml [ ] Filtered [ ] Unfiltered	
24		122713-KN-023				Plastic - HNO <sub>3</sub> , 250 ml [ ] Filtered [ ] Unfiltered	
25		122713-KN-024				Plastic - HNO <sub>3</sub> , 250 ml [ ] Filtered [ ] Unfiltered	
26		122713-KN-025				Plastic - HNO <sub>3</sub> , 250 ml [ ] Filtered [ ] Unfiltered	
27		122713-KN-026				Plastic - HNO <sub>3</sub> , 250 ml [ ] Filtered [ ] Unfiltered	
28		122713-KN-027				Plastic - HNO <sub>3</sub> , 250 ml [ ] Filtered [ ] Unfiltered	
29		122713-KN-028				Plastic - HNO <sub>3</sub> , 250 ml [ ] Filtered [ ] Unfiltered	
30		122713-KN-029				Plastic - HNO <sub>3</sub> , 250 ml [ ] Filtered [ ] Unfiltered	

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	N Z	Karron Redfield	12/27/13	12:33	
2					
3					
4					



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275 Promenade Street, Suite 350, Providence, RI 02908  
80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1310

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Discovery Academy 176 Cumberland Ave Wethersfield, CT 20110979-AZE Phoenix

REPORT TO: Kathleen Page/Kurron Redfield

INVOICE TO: Kurron Redfield

P.O. No.: 20110979-AZE

Sampler's Signature: [Signature] Date: 12-27-13

Source Codes: MW=Monitoring Well PW=Potable Water S=Soil W=Waste

SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other Brick

Analysis Request

Containers

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled	Comments									
	1	2	3	4					Soil VOA Vial ( )	Glass Soil Container ( )	Water VOA Vial ( )	Glass Amber ( )	Plastic - As Is ( )	Plastic - H <sub>2</sub> SO <sub>4</sub> ( )	Plastic - HNO <sub>3</sub> ( )	Plastic - NaOH ( )	Unfiltered ( )	Filtered ( )
31					122713-1KN-30	X	12/27/13											
32					122713-1KN-31													
33					122713-1KN-32													
34					122713-1KN-33													
35					122713-1KN-34													
36					122713-1KN-34 Duplicate													
37					122713-1KN-35													
38					122713-1KN-36													
39					122713-1KN-37													
40					122713-1KN-39													

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	[Signature]	ORourke	12/27/13	12:33	Additional Comments:
2					
3					
4					





**Bobbi - Phoenixlabs**

---

**From:** Bobbi - Phoenixlabs [bobbi@phoenixlabs.com]  
**Sent:** Monday, December 30, 2013 12:38 PM  
**To:** 'Kathleen Pane'; 'Karron Redfield'; 'Bobbi - Phoenixlabs'  
**Subject:** Discovery Academy Sample Lost during extraction

Hi Kathleen and Karron

We accidentally lost one of your samples during the extraction process. It is a wipe sample, your ID 122713-KN-014. We apologize for any inconvenience this may cause. It was sampled on 12/27/13

Bobbi

Bobbi Aloisa  
Vice President  
Director of Client Services  
Phoenix Environmental Laboratories  
587 East Middle Turnpike  
Manchester, CT 06040  
Ph: 860-645-8728

12/30/2013



Friday, December 06, 2013

Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Sample ID#s: BF83327 - BF83360

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,



Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83327

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	106		%	12/04/13	AW	30 - 150 %
% TCMX	97		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-01

Phoenix I.D.: BF83327

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager



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Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83328

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.71	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.71	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.71	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.71	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.71	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.71	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.71	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.71	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.71	mg/kg	12/04/13	AW	3540C/8082

### QA/QC Surrogates

% DCBP	112	%	12/04/13	AW	30 - 150 %
% TCMX	101	%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD

Phoenix I.D.: BF83328

Client ID: 120313-SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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**RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level**

**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**December 06, 2013**

**Reviewed and Released by: Ethan Lee, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83329

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.49	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.49	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.49	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.49	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.49	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.49	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.49	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.49	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.49	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	97		%	12/04/13	AW	30 - 150 %
% TCMX	102		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-03

Phoenix I.D.: BF83329

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83330

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.4	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	12/04/13	AW	3540C/8082

### QA/QC Surrogates

% DCBP	100	%	12/04/13	AW	30 - 150 %
% TCMX	91	%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-04

Phoenix I.D.: BF83330

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83331

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.62	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.62	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.62	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.62	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.62	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.62	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.62	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.62	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.62	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	109		%	12/04/13	AW	30 - 150 %
% TCMX	100		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-05

Phoenix I.D.: BF83331

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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**RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level**

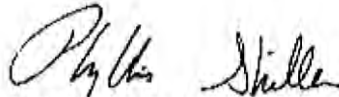
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**December 06, 2013**

**Reviewed and Released by: Ethan Lee, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83332

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	93		%	12/04/13	AW	30 - 150 %
% TCMX	102		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-06

Phoenix I.D.: BF83332

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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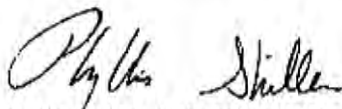
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83333

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	95		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	91		%	12/04/13	AW	30 - 150 %
% TCMX	96		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-07

Phoenix I.D.: BF83333

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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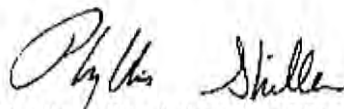
**RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level**

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**December 06, 2013**

**Reviewed and Released by: Ethan Lee, Project Manager**





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83334

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	98		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	90		%	12/04/13	AW	30 - 150 %
% TCMX	93		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-08

Phoenix I.D.: BF83334

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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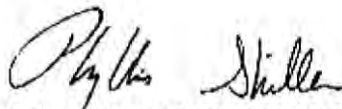
**RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level**

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/03/13	0:00
12/03/13	15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83335

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	99		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	91		%	12/04/13	AW	30 - 150 %
% TCMX	65		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-09

Phoenix I.D.: BF83335

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83336

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	96		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.34	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	104		%	12/04/13	AW	30 - 150 %
% TCMX	94		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD

Phoenix I.D.: BF83336

Client ID: 120313-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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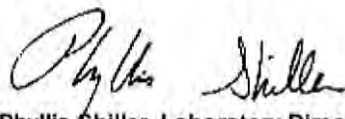
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83337

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.59	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.59	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.59	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.59	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.59	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.59	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.59	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.59	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.59	mg/kg	12/04/13	AW	3540C/8082

### QA/QC Surrogates

% DCBP	108	%	12/04/13	AW	30 - 150 %
% TCMX	84	%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-11

Phoenix I.D.: BF83337

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83338

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.5	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.5	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.5	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.5	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.5	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.5	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.5	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.5	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.5	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	98		%	12/04/13	AW	30 - 150 %
% TCMX	86		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-12

Phoenix I.D.: BF83338

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83339

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	111		%	12/04/13	AW	30 - 150 %
% TCMX	92		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-13

Phoenix I.D.: BF83339

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83340

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-14

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	109		%	12/04/13	AW	30 - 150 %
% TCMX	99		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-14

Phoenix I.D.: BF83340

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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**RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level**

**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83341

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.33	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.33	mg/kg	12/04/13	AW	3540C/8082

### QA/QC Surrogates

% DCBP	104	%	12/04/13	AW	30 - 150 %
% TCMX	100	%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-15

Phoenix I.D.: BF83341

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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**RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level**

**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager





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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83342

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-16

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.74	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.74	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.74	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.74	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.74	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.74	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.74	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.74	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.74	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	81		%	12/04/13	AW	30 - 150 %
% TCMX	72		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-16

Phoenix I.D.: BF83342

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

### Date Time

12/03/13 0:00  
12/03/13 15:14

## Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83343

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-17

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.44	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.44	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.44	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.44	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.44	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.44	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.44	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.44	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.44	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	91		%	12/04/13	AW	30 - 150 %
% TCMX	88		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-17

Phoenix I.D.: BF83343

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

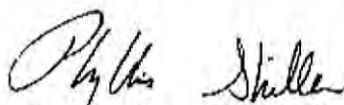
**Comments:**

100% Solid Assumed

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 06, 2013

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

### Date Time

12/03/13 0:00  
12/03/13 15:14

### Laboratory Data

SDG ID: GBF83327  
Phoenix ID: BF83344

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-18

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	12/03/13	I	E160.3
Extraction for PCB	Completed			12/03/13	BB/KW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.48	mg/kg	12/04/13	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	12/04/13	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	12/04/13	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	12/04/13	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	12/04/13	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	12/04/13	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	12/04/13	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	12/04/13	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	12/04/13	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	120		%	12/04/13	AW	30 - 150 %
% TCMX	98		%	12/04/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE., WETHERSFIELD  
Client ID: 120313-SV-18

Phoenix I.D.: BF83344

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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**RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level**

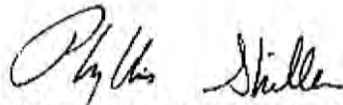
**Comments:**

100% Solid Assumed

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

December 06, 2013

Reviewed and Released by: Ethan Lee, Project Manager